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IOWA AGRICULTURAL STATISTICS

(formerly Iowa Crop and Livestock Reporting Service)

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State Capitol Complex
Des Moines, Iowa 50319

and

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTRAL STATISTICS SERVICE

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July 1989

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SECRETARY OF AGRICULTURE

SHIRLEY DANSKIN WHITE
DEPUTY SECRETARY OF AGRICULTURE

HENRY A. WALLACE BUILDING
DES MOINES, IOWA 50319

July 1989

To The People of Iowa:

It is a pleasure to present to you the "1989 Iowa Agricultural Statistics." Agriculture is an important and constantly changing part of Iowa's economy. Only with accurate reliable information can we make sound production and marketing decisions. Last year's drought, fluctuating interest rates and the continually changing economic conditions have a major impact on agriculture and the economy of the state. This publication provides data needed by the agricultural community to make well-informed decisions during these critical times.

Throughout the following pages you'll find facts and information on all facets of Iowa's agriculture. These data were made possible through the voluntary cooperation of farmers, elevators, slaughter plants and others involved in agriculture and agribusiness. The combined results of individual reports collected by surveys provided the basis for reliable estimates of land utilization and livestock numbers for the state and county totals.

Your copy of "Iowa Agricultural Statistics" is provided as a public service by the Iowa Department of Agriculture and Land Stewardship. We want to extend our sincere appreciation to everyone who helped to make this report possible.

Sincerely,

Dale M. Cochran

Dale M. Cochran
Iowa Secretary of Agriculture

Table of Contents

GENERAL INFORMATION

Page
Farms and Land in Farms: County and State 2
Farms, Number and Avsrage Size 3
Monthly and Annual Precipitation 4-5
Monthly and Annual Temperature 6

CROPS

Crop Summary: Narrative 8
Seasonal Development Graphs:
Corn & Soybeans 9
Crop Summary: State and U.S. 10-11
Ranking of States: Iowa and Ten Leading States 12
Record Highs and Lows: Acres, Yield, and Production 13
Grain Stocks: By Quarters, State and U.S. 14
Grain Storage: Iowa 14
Production, Price and Stocks: Corn and Soybeans 15
U.S. Supply and Demand Estimates:
Corn and Soybeans 16-17
Corn: County and State 18-19
Corn Silage: County and State 20-21
Soybeans: County and State 22-23
Oats: County and State 24
Wheat: County and State 25
Hay, All: County and State 26
Alfalfa Hay: County and State 27
Acres Harvested Distribution Maps 28-30
Fertilizer Tonnage Distribution, Iowa 31
Corn Harvesting and Drying Methods 32
Principal Crop Land Harvested:
County and State 33
Grain Marketings 34

LIVESTOCK

Livestock Summary: Narrative 36
Livestock Number on Farms: State and U.S. 37
Ranking of States: Iowa and Ten Leading States 38
Record Highs and Lows 39
Hogs and Pigs: Inventory, Production, Disposition, and Income 40-41
Hog Slaughter: State and U.S. 42
Hog Inventory Graph 43
Hogs and Pigs: County and State 44-45
Hogs and Pigs Distribution Maps 46-47
Steer and Hog Prices, Costs and Net Margins 48
Cattle and Calves: Inventory 49
Cattle on Feed: Number of Feedlots and Placements 50-51
Cattle and Calves: Inventory, Production, Disposition, and Income 52
Cattle Slaughter: State and U.S. 53

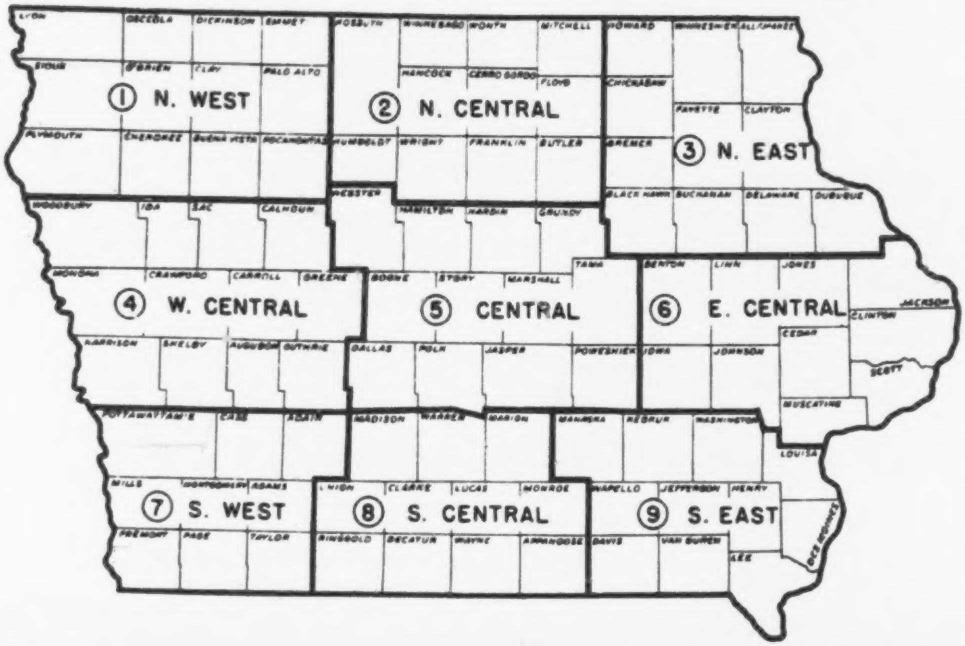
LIVESTOCK (Cont.)

Page
Red Meat Production: State and U.S. 54
Cattle and Calves: County and State 55
Total Cattle & Grain Fed Marketings:
County and State 56
Cattle Distribution Maps 57-59
Dairy: Milk Cows and Milk Production 60
Milk: Production, Disposition and Income 61
Dairy: Manufactured Products 62-64
Sheep Inventory by Class 65
Sheep: Inventory, Supply and Disposition 66
Sheep Slaughter: State and U.S. 66
Sheep and Wool Production and Income 67
Sheep and Lambs: County and State 68
Sheep Distribution Map 69
Sheep: Grain Fed Marketings Map 69
Poultry Summary: Narrative 70
Poultry and Eggs: Inventory and Rate of Lay 71
Hens and Pullets of Laying Age 72
Eggs Per 100 Layers 72
Poultry and Eggs: Production and Income 73
Chicken Inventory: U.S. 74
Hatched: Chickens and Turkeys 75
Turkeys: Production and Value, State and U.S. 76
Honey Production 76
Farms with Livestock and Poultry 77

RECEIPTS AND PRICES

Price Summary: Narrative 80
Cash Income and Receipts 81-83
Production Expenses 84
Estimated Cash Rent per Acre 85
Real Estate Debts 85
Farmland Values 86
Average Value per Acre 87
Prices Received: Crops and Livestock 88-89
Grain Prices Received: County and State 90-91
Prices Received Index: Iowa 92-93
Prices Paid and Received Index: U.S. 94
Prices Paid: Feeder Pigs 94
Corn and Soybean Fertilizer Application 95
Estimated Crop Production Costs: Iowa 95
Custom Rates 96
Farm Labor and Wage Rates: State and U.S. 97
Beef Production Costs 98
Pork Production Costs 99
Prices Paid: Farm Production Commodities 100-101
Price Spreads: U.S. 102
Feed Ratios 103
Crop Exports 104
U.S. Meat Imports and Exports 105
Per Capita Food Consumption 106
ORDER FORM 107

IOWA COUNTIES AND CROP REPORTING DISTRICTS



Iowa is divided into nine crop reporting districts for convenience in compiling and presenting statistical information on crops and livestock. These nine districts are outlined on the above map. The districts are designated as follows: Northwest (NW), West Central (WC), Southwest (SW), North Central (NC), Central (C), South Central (SC), Northeast (NE), East Central (EC), and Southeast (SE). In tables showing statistical information by counties in this bulletin, counties within each district are grouped together in alphabetical order. Totals and averages are shown for each district.

Following is an alphabetical list of counties showing crop reporting districts in which each county is located:

Adair	SW
Adams	SW
Allamkee	NE
Appanoose	SC
Audubon	WC
Benton	EC
Black Hawk	NE
Boone	C
Bremer	NE
Buchanan	NE
Buena Vista	NW
Butler	NC
Calhoun	WC
Carroll	WC
Cass	SW
Cedar	EC
Cerro Gordo	NC
Cherokee	NW
Chickasaw	NE
Clarke	SC
Clay	NW
Clayton	NE
Clinton	EC
Crawford	WC
Dallas	C
Davis	SE
Decatur	SC
Delaware	NE
Des Moines	SE
Dickinson	NW
Dubuque	NE
Emmet	NW
Fayette	NE
Floyd	NC
Franklin	NC
Fremont	SW
Greene	WC
Grundy	C
Guthrie	WC
Hamilton	C
Hancock	NC
Hardin	C
Harrison	WC
Henry	SE
Howard	NE
Humboldt	NC
Ida	WC
Iowa	EC
Jackson	EC
Jasper	C
Jefferson	SE
Johnson	EC
Jones	EC
Keokuk	SE
Kossuth	NC
Lee	SE
Linn	EC
Louisa	SE
Lucas	SC
Lyon	NW
Madison	SE
Mahaska	SE
Marion	SC
Marshall	C
Mills	SW
Mitchell	NC
Monona	WC
Monroe	SC
Montgomery	SW
Muscatine	EC
O'Brien	NW
Osceola	NW
Page	SW
Palo Alto	NW
Plymouth	NW
Pocahontas	NW
Polk	C
Pottawatamie	SW
Poweshiek	C
Ringgold	SC
Sac	WC
Scott	EC
Shelby	WC
Sioux	NW
Story	C
Tama	C
Taylor	SW
Union	SC
Van Buren	SE
Wapello	SE
Warren	SC
Washington	SE
Wayne	SC
Webster	C
Winnebago	NC
Winneshiek	NE
Woodbury	WC
Worth	NC
Wright	NC

GENERAL INFORMATION

Agriculture is Iowa's and the nation's leading industry. Iowa-grown products provide food and fiber needs for people around the world. We are proud to be part of the agribusiness community that serves this mighty industry. The 1989 **Iowa Agricultural Statistics** provides the latest statistical information that will aid decision-makers to efficiently and orderly market Iowa's commodities. Preliminary county and state estimates for crops and livestock produced in 1988 and livestock inventories, as of the first of the year, are an intricate part of this publication. Final revisions to county and state estimates for 1982 through 1987 will be completed in the fall of 1989 and these estimates will be published in publications titled **Historic Crop Estimates 1973-1988** and **Historic Livestock Estimates 1973-1989.**

Scientifically-designed surveys that use sound sampling and estimating procedures are used by Iowa Ag Statistics so that reliable, timely agricultural statistics are available. The statistics published are through a cooperative effort of the National Agricultural Statistics Service of the U. S. Department of Agriculture and the Iowa Department of Agriculture and Land Stewardship. The cooperative effort of the state and national departments of agriculture in the statistical program has been in existence since 1937 when the first cooperative agreement was signed.

HIGHLIGHTS OF 1988: One of the most severe droughts on record hit Iowa in 1988. The hot, dry weather cut corn, soybean and hay yields by nearly a third. Forages were harvested from 1.4 million acres of acreage conservation reserve land and nearly four hundred thousand acres of conservation reserve program land. Feed supplies were critically short in southwest and south central Iowa and to overcome the deficiency, large quantities of hay were brought in from other areas. Hog inventories leveled off in 1988 at the 13.5 to 14.5 million range. Pork supplies were plentiful during the year and the average price farmers received for market hogs dropped to a low of $36.90 in November. Cattle numbers increased slightly in 1988 as prices rose to their highest level since 1979. The average price farmers received for steers and heifers topped $73 in May.

The economic condition of the farm sector continued to improve in 1988 due to price increase for crops and livestock. Corn and soybean prices strengthened as the drought took its toll on the crops. In addition, the federal government implemented a drought disaster program that helped producers who suffered severe losses. Land prices continued to recover in 1988 and by the end of the year, land prices averaged $1,054 per acre which was a 20 percent increase from a year earlier.

ACKNOWLEDGMENT: We want to extend our thanks to the producers and product handlers who supply the basic information on a voluntary basis. This publication is only possible through your cooperation. We also want to give a special thanks to the folks who collect the data for us out in the field and on the telephone. We also want to recognize the office staff of Iowa Agricultural Statistics for their devoted service in the preparation of this and other informative statistical publications.

HOW TO ORDER: Additional copies of this publication and other informative publications on Iowa's agriculture can be ordered through the Secretary of Agriculture's office using the order form in the back of this publication. You can also order them directly from Iowa Ag Statistics, 210 Walnut Street, Room 833, Des Moines, Iowa 50309.

Duane M. Skow
State Statistician

Howard R. Holden
Deputy State Statistician

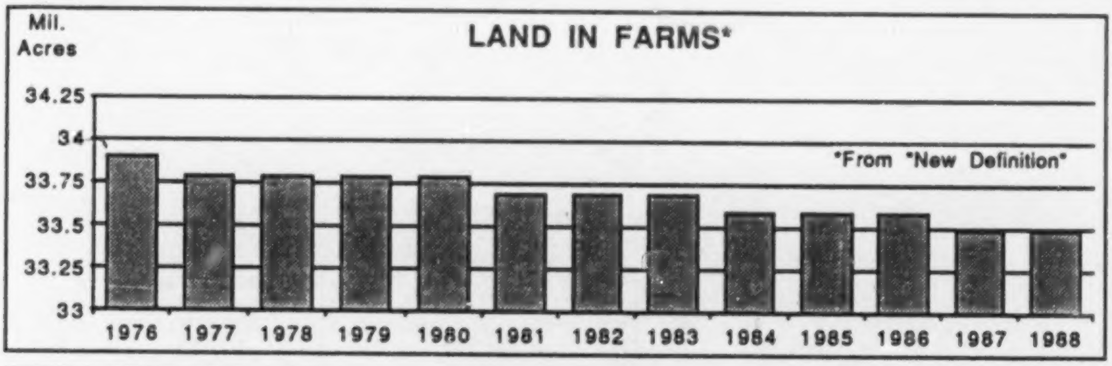
Iowa Farms: Number, Land in Farms and Average Size, by County, 1988

County and District	Number of farms	Land in farms	Average size
Buena Vista	1,120	351,300	314
Cherokee	1,110	355,300	320
Clay	890	345,100	388
Dickinson	610	224,700	368
Emmet	620	240,300	388
Lyon	1,260	362,800	288
O'Brien	1,260	352,300	280
Osceola	750	245,500	327
Palo Alto	950	348,500	367
Plymouth	1,770	532,600	301
Pocahontas	1,010	354,400	351
Sioux	2,050	467,300	228
NW District	13,400	4,180,100	312
Butler	1,320	352,300	267
Cerro Gordo	950	336,200	354
Floyd	1,010	302,600	300
Franklin	1,030	357,300	347
Hancock	1,070	349,300	326
Humboldt	770	267,200	347
Kossuth	1,750	598,700	342
Mitchell	960	287,800	300
Winnebago	760	241,600	318
Worth	680	241,900	356
Wright	900	355,300	395
NC District	11,200	3,690,200	329
Allamakee	1,090	373,600	343
Black Hawk	1,300	306,200	236
Bremer	1,170	260,300	222
Buchanan	1,360	345,900	254
Chickasaw	1,080	305,100	283
Clayton	1,700	465,300	274
Delaware	1,460	348,700	239
Dubuque	1,680	348,400	207
Fayette	1,540	441,100	286
Howard	960	288,400	300
Winneshiek	1,660	419,200	253
NE District	15,000	3,902,200	260
Audubon	870	277,500	319
Calhoun	1,010	350,800	347
Carroll	1,350	350,500	260
Crawford	1,370	443,100	323
Greene	970	354,100	365
Guthrie	980	363,800	371
Harrison	1,050	421,900	402
Ida	800	268,000	335
Monona	870	418,600	481
Sac	1,060	353,500	333
Shelby	1,200	365,200	304
Woodbury	1,370	509,800	372
WC District	12,900	4,476,800	347
Boone	1,040	331,300	319
Dallas	1,100	345,600	314
Grundy	1,050	312,800	298
Hamilton	1,040	350,600	337
Hardin	1,080	346,200	321
Jasper	1,480	438,600	296
Marshall	1,090	344,200	316
Polk	1,020	252,800	248
Poweshiek	1,060	356,900	337
Story	1,160	331,800	286
Tama	1,430	437,500	306
Webster	1,250	422,900	338
C District	13,800	4,271,200	310
Benton	1,470	432,500	294
Cedar	1,200	351,400	293
Clinton	1,470	409,200	278
Iowa	1,080	360,400	334
Jackson	1,380	378,400	274
Johnson	1,390	330,000	237
Jones	1,190	348,100	293
Linn	1,710	387,200	226
Muscatine	920	250,100	272
Scott	990	238,000	240
EC District	12,800	3,485,300	272
Adair	980	355,500	363
Adams	700	264,300	378
Cass	950	346,600	365
Fremont	730	311,800	427
Mills	650	267,200	411
Montgomery	710	260,400	367
Page	1,030	327,300	318
Pottawattamie	1,670	559,900	335
Taylor	780	332,700	427
SW District	8,200	3,025,700	369
Appanoose	890	286,700	322
Clarke	710	263,900	372
Decatur	730	325,100	445
Lucas	700	251,100	359
Madison	1,080	347,400	322
Marion	1,150	303,600	264
Monroe	750	264,200	352
Ringgold	710	337,300	475
Union	700	259,700	371
Warren	1,320	331,500	251
Wayne	760	322,900	425
SC District	9,500	3,293,400	347
Davis	940	313,600	334
Des Moines	770	218,300	284
Henry	910	262,100	288
Jefferson	790	262,300	332
Keokuk	1,050	356,400	339
Lee	1,010	294,800	292
Louisa	640	232,000	363
Mahaska	1,200	347,100	289
Van Buren	800	296,000	370
Wapello	910	249,300	274
Washington	1,180	343,200	291
SE District	10,200	3,175,100	311
State	107,000	33,500,000	313

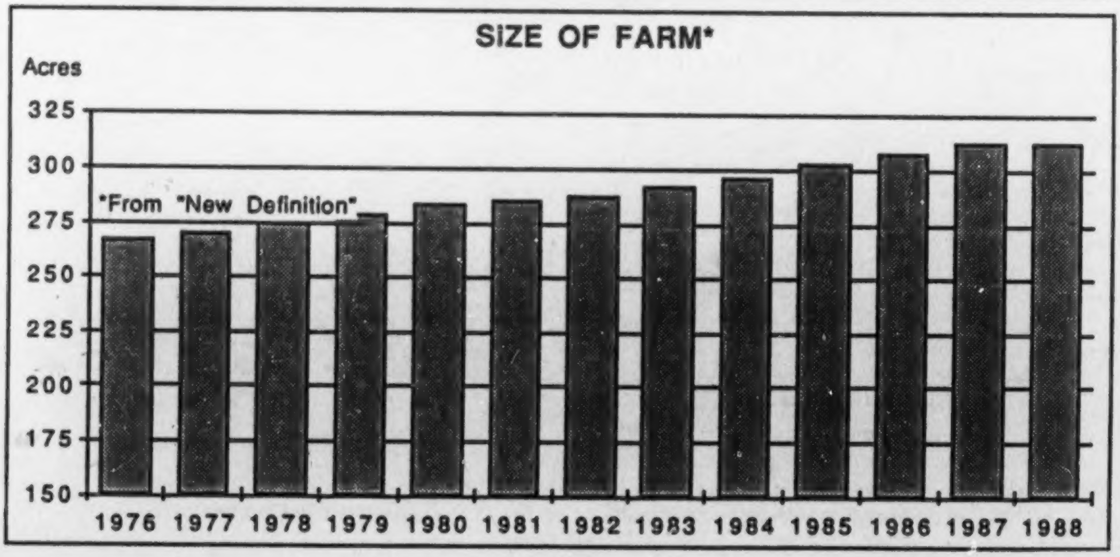
Iowa Farms: Number, Average Size And Land In Farms[1]

Year	Number of farms	Average size	Land in farms
	Thousands	Acres	Mil. acres
1940	213	160	34.1
1945	209	165	34.5
1950	206	169	34.8
1955	195	179	34.9
1960	183	190	34.7
1965	158	219	34.6
1966	155	223	34.5
1967	152	227	34.5
1968	149	231	34.4
1969	147	234	34.4
1970	145	237	34.4
1971	143	241	34.4
1972	141	243	34.3
1973	139	247	34.3
1974	138	249	34.3
1975	136	251	34.2
1976	133	257	34.2
1977	131	261	34.2
1978	128	266	34.1
1975[2]	130	262	34.1
1976	127	267	33.9
1977	125	270	33.8
1978	123	275	33.8
1979	121	279	33.8
1980	119	284	33.8
1981	118	286	33.7
1982	117	288	33.7
1983	115	293	33.7
1984	113	297	33.6
1985	111	303	33.6
1986	109	308	33.6
1987	107	313	33.5
1988[3]	107	313	33.5

[1] Prior to 1950, data from U.S. Census of Agriculture. [2] The "New Definition" of a farm, starting in 1975, includes places which had annual sales of agricultural products of $1,000 or more. This is the same definition used by the Department of Commerce, Bureau of the Census, for the 1978 Census of Agriculture. The "Old Definition" of a farm included places of 10 or more acres and had annual sales of $50 or more and places of less than 10 acres that had annual sales of $250 or more. [3] Preliminary.


LAND IN FARMS*

*From "New Definition"


SIZE OF FARM*

*From "New Definition"

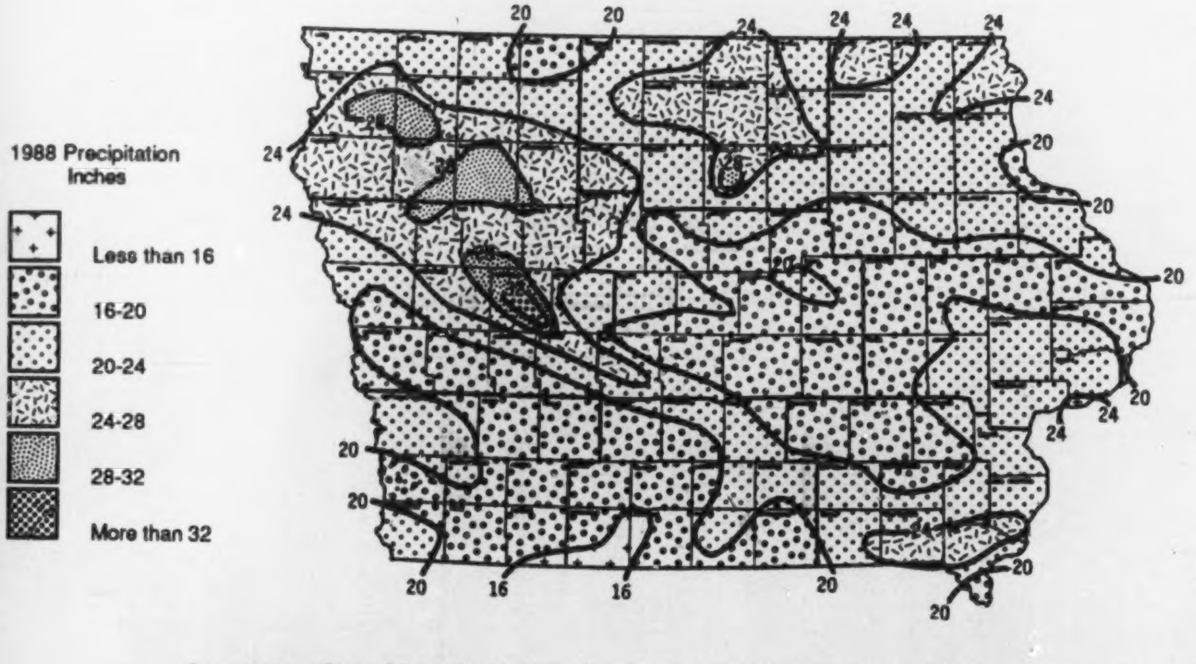
IOWA PRECIPITATION, 1988

Monthly And Annual Totals And Departures From Normal By District

DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	TOTAL PRECIPITATION (inches)												
Northwest	0.87	0.43	0.62	3.23	1.96	2.63	1.83	6.19	4.20	0.27	2.24	0.35	24.82
North Central	0.80	0.49	0.82	3.09	1.65	2.91	2.22	4.14	3.83	0.44	2.90	0.90	24.19
Northeast	1.01	0.53	1.35	2.07	1.20	1.30	2.33	3.86	3.82	1.02	2.78	0.90	22.17
West Central	0.70	0.38	0.24	2.03	1.96	1.99	4.02	4.14	5.08	0.15	2.55	0.83	24.07
Central	0.62	0.43	0.70	1.50	1.51	1.40	2.24	3.81	3.24	0.60	2.78	0.63	19.46
East Central	1.20	0.56	1.23	1.49	1.43	1.14	0.90	4.33	1.98	1.82	2.82	1.17	20.07
Southwest	0.32	0.44	0.16	1.79	2.25	1.07	2.98	2.14	4.03	0.41	2.26	0.62	18.47
South Central	0.27	0.58	0.61	1.07	2.06	1.19	1.87	4.22	3.30	0.38	2.61	0.63	18.79
Southeast	1.15	0.73	1.39	1.22	1.89	1.59	1.36	4.69	2.26	0.94	2.98	1.11	21.31
State	0.78	0.50	0.79	1.97	1.75	1.72	2.23	4.22	3.58	0.66	2.66	0.79	21.65
	DEPARTURE FROM NORMAL MONTHLY PRECIPITATION (inches)*												
Northwest	0.31	-0.50	-1.10	0.78	-1.60	-1.62	-1.71	2.29	1.28	-1.55	1.15	-0.42	-2.69
North Central	-0.02	-0.44	-1.22	0.16	-2.31	-1.72	-1.99	-0.01	0.61	-1.65	1.51	-0.08	-7.16
Northeast	0.08	-0.45	-0.78	-1.33	-2.85	-3.13	-2.03	-0.14	0.42	-1.33	1.09	-0.32	-10.77
West Central	-0.04	-0.63	-1.76	-0.84	-2.06	-2.53	0.53	0.19	1.90	-1.95	1.32	0.01	-5.86
Central	-0.26	-0.61	-1.45	-1.74	-2.57	-3.34	-1.65	-0.35	0.01	-1.65	1.32	-0.36	-12.65
East Central	-0.04	-0.55	-1.21	-2.16	-2.56	-3.19	-3.25	0.31	-1.57	-0.69	0.90	-0.40	-14.41
Southwest	-0.52	-0.58	-1.96	-1.36	-1.89	-3.59	-1.01	-2.39	0.24	-2.03	0.76	-0.31	-14.64
South Central	-0.76	-0.49	-1.75	-2.50	-1.94	-3.36	-2.01	0.01	-0.66	-2.23	0.88	-0.48	-15.29
Southeast	-0.18	-0.37	-1.20	-2.49	-2.02	-2.59	-2.83	0.60	-1.59	-1.84	1.19	-0.45	-13.77
State	-0.14	-0.52	-1.36	-1.22	-2.21	-2.76	-1.72	0.12	0.16	-1.64	1.15	-0.30	-10.44

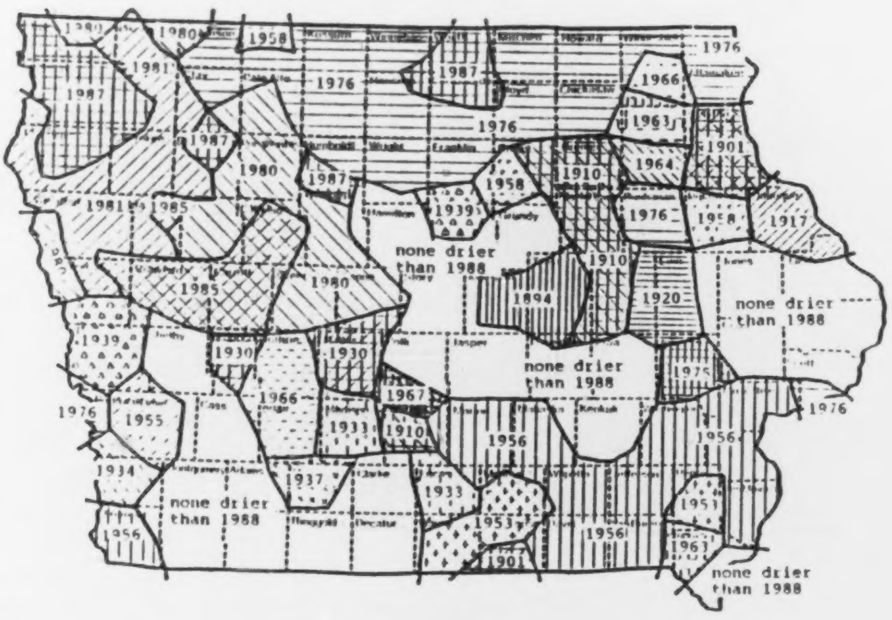
*Departures are computed from 1951-1980 normals.

Precipitation, Inches



Compiled by State Climatologist, Iowa Department of Agriculture and Land Stewardship
in cooperation with National Weather Service, U.S. Department of Commerce

Most recent year with less precipitation than in 1988


1980
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1958
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none drier than 1988
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1894
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none drier than 1988
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1933
1910
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1956
1976
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1937
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none drier than 1988
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1951
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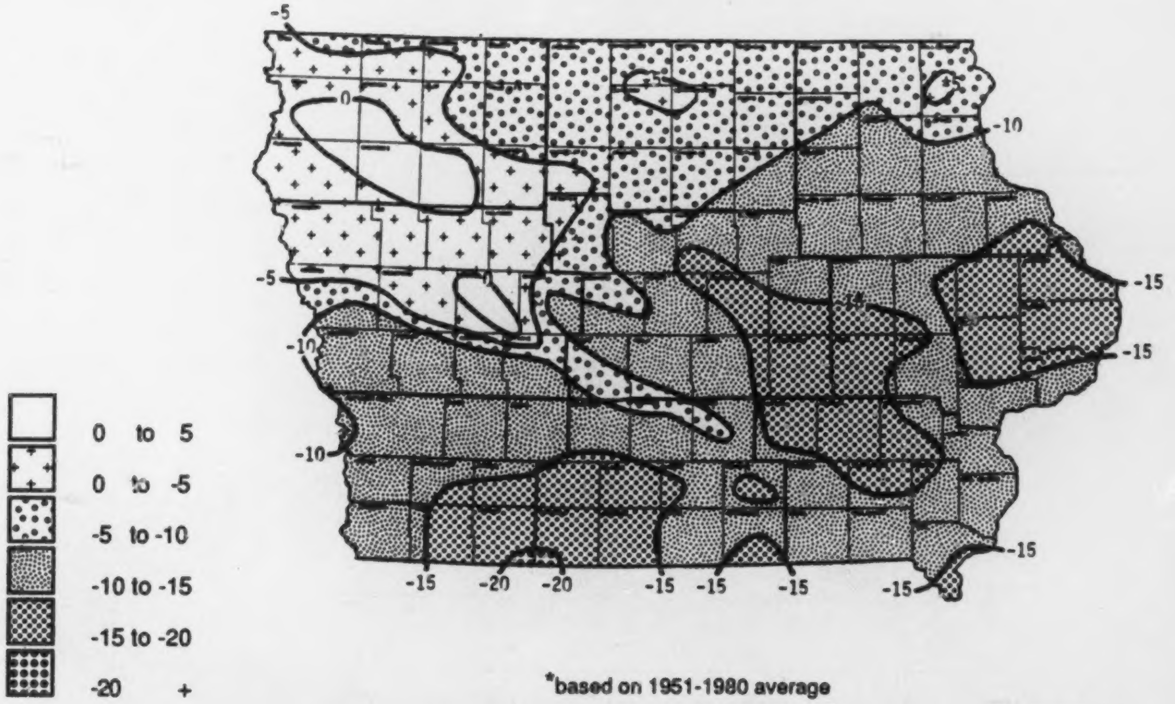
1956
1961
1901
none drier than 1988

1988
Departure from Normal *Precipitation
(inches)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-15
-15
-15
-15
0 to 5
0 to -5
-5 to -10
-10 to -15
-15 to -20
-20 +

*based on 1951-1980 average

Compiled by State Climatologist, Iowa Department of Agriculture and Land Stewardship
in cooperation with the National Weather Service, U.S. Department of Commerce

IOWA TEMPERATURES, 1988

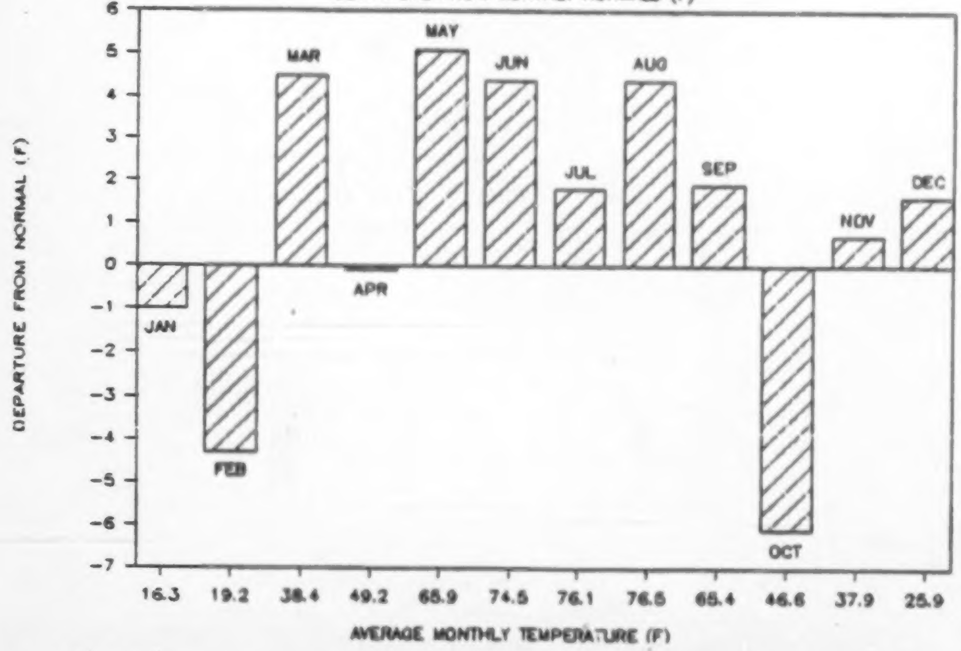
Monthly And Annual Averages And Departures From Normal By District

DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
						AVERAGE TEMPERATURE (°F)							
Northwest	10.7	15.2	36.8	46.7	66.1	74.5	74.2	74.0	63.4	45.2	34.5	21.3	46.9
North Central	10.3	14.8	35.8	46.9	65.6	73.7	74.3	74.6	64.0	45.0	35.0	20.8	46.7
Northeast	12.4	16.1	35.7	47.5	63.7	72.5	75.5	75.6	64.3	44.7	36.7	23.1	47.3
West Central	17.2	21.1	39.6	49.6	67.0	75.6	75.3	76.2	65.1	47.4	37.8	27.3	49.9
Central	15.5	18.7	38.0	48.6	66.0	74.0	76.1	76.8	65.0	46.0	37.4	25.4	49.0
East Central	17.7	20.4	38.5	50.2	64.9	73.4	77.4	77.3	66.0	46.6	39.0	27.2	49.9
Southwest	21.7	23.4	41.0	51.2	67.5	76.5	76.3	78.1	67.2	48.8	40.6	30.1	51.9
South Central	22.0	22.3	40.5	51.3	66.1	74.9	77.5	78.0	66.6	47.8	40.4	29.7	51.4
Southeast	22.4	22.9	40.5	52.1	66.6	75.4	79.2	79.2	67.9	48.7	41.3	30.3	52.2
State	16.3	19.2	38.4	49.2	65.9	74.4	76.1	76.5	65.4	46.6	37.9	25.9	49.3
						DEPARTURE FROM NORMAL MONTHLY TEMPERATURE (°F)							
Northwest	-3.0	-5.1	5.9	-0.5	6.6	5.4	0.8	2.9	1.6	-5.6	0.1	0.3	0.8
North Central	-3.3	-5.3	5.1	-0.1	6.1	4.7	1.6	4.1	2.2	-6.0	0.2	-0.2	0.7
Northeast	-2.6	-4.8	4.1	0.3	4.9	4.3	3.3	5.4	2.7	-6.3	1.2	0.9	1.1
West Central	-0.1	-2.7	5.5	-0.1	5.8	5.1	0.4	3.6	1.4	-5.4	0.8	2.9	1.4
Central	-1.4	-4.3	4.4	-0.5	5.2	4.0	2.0	5.1	1.8	-6.4	0.3	1.3	1.0
East Central	-1.1	-4.1	3.4	0.3	3.7	3.0	3.0	4.9	1.7	-6.8	0.5	1.5	0.8
Southwest	1.2	-3.4	4.0	-0.5	4.9	4.9	0.3	4.3	2.0	-5.6	1.4	2.9	1.4
South Central	1.6	-4.2	3.9	0.0	4.0	3.9	1.9	4.7	1.5	-6.6	0.9	2.5	1.1
Southeast	1.2	-4.2	3.2	0.2	3.9	3.6	3.2	5.4	2.0	-6.3	0.9	2.3	1.3
State	-1.0	-4.3	4.5	-0.1	5.1	4.3	1.8	4.4	1.9	-6.1	0.7	1.6	1.0

*Departures are computed from 1951-1980 normals.

1988 MONTHLY TEMPERATURES

DEPARTURE FROM MONTHLY NORMALS (F)



Compiled by State Climatologist, Iowa Department of Agriculture and Land Stewardship
in cooperation with the National Weather Service, U.S. Department of Commerce

CROPS

1988 Crop Summary

IOWA

The 1988 winter started extremely dry and was a prelude to one of the worst droughts of the century. However, abundant rains the previous fall left adequate subsoil moisture reserves and averted what could have been an even worse situation.

April continued dry, but field activities lagged behind the previous years frenzied pace as many farmers waited for more adequate moisture before planting. Pastures and hay were the first casualties of the long dry summer as both got off to an extremely slow start throughout most of the state.

May temperatures averaged well above normal with very little rainfall. Planting of corn and soybeans progressed ahead of normal despite the concern of planting in dry soils and poor germination. However, while some stands were spotty, most had adequate plant populations and only a normal amount of replanting occurred. Growth of alfalfa and other acres saved for hay were slow. Harvest started in late May with yields only one-third to one-half a more normal year.

June continued hot and dry. The first 6 months of 1988 were the driest first half year of record on a statewide basis. The rain that did fall came to mostly western and northern areas of the state. Pastures over large portions of the state were producing little to no forage. Culling of cattle in the drier areas was not uncommon as many operators were feeding valuable hay reserves. Relief came as the USDA opened both set aside and CRP acres for haying.

July weather continued hot and dry. The corn and soybean crops deteriorated substantially as they gradually used up what had been abundant subsoil moisture reserves. Corn leaf rolling and lower leaf firing could be seen over a large portion of the state. This was especially true in eastern and southern areas as the limited precipitation that did occur was once again in northern and western areas. Pastures produced little forage as many farmers continued feeding limited hay supplies.

Early August was devastating to Iowa's row crops as the lack of rain was accompanied by well above normal temperatures. This was especially true in east central and south central Iowa as these areas received little precipitation the entire growing season. In some counties, most of the corn produced little grain and a considerable amount was cut for silage. The heat and lack of rain pushed Iowa's corn to an early maturity with seed corn harvest starting in late August. Eastern and southern areas did receive some rain in late August giving the soybean crop a late season boost.

September and October weather was ideal for harvest. Scattered rain did occur, but did little to add to the depleted soil moisture supplies. By the end of October harvest was virtually complete for both corn and soybeans, the earliest on record. The dry conditions provided ideal natural drying conditions for corn, and most corn was below 16 percent at harvest. Yields varied considerably across the state. The county average corn yield ranged from 32 bushels per acre in Iowa county to 124 bushels per acre in Sac county. Aflatoxin was a major problem in drought damaged corn creating both a feeding and marketing problem where concentration levels were high.

The early harvest and open weather of October allowed farmers to do considerable fall tillage. The early harvest also allowed wheat producers to sow winter wheat at the optimum time. The dry conditions made germination slow, but early November rain allowed substantial growth before winter.

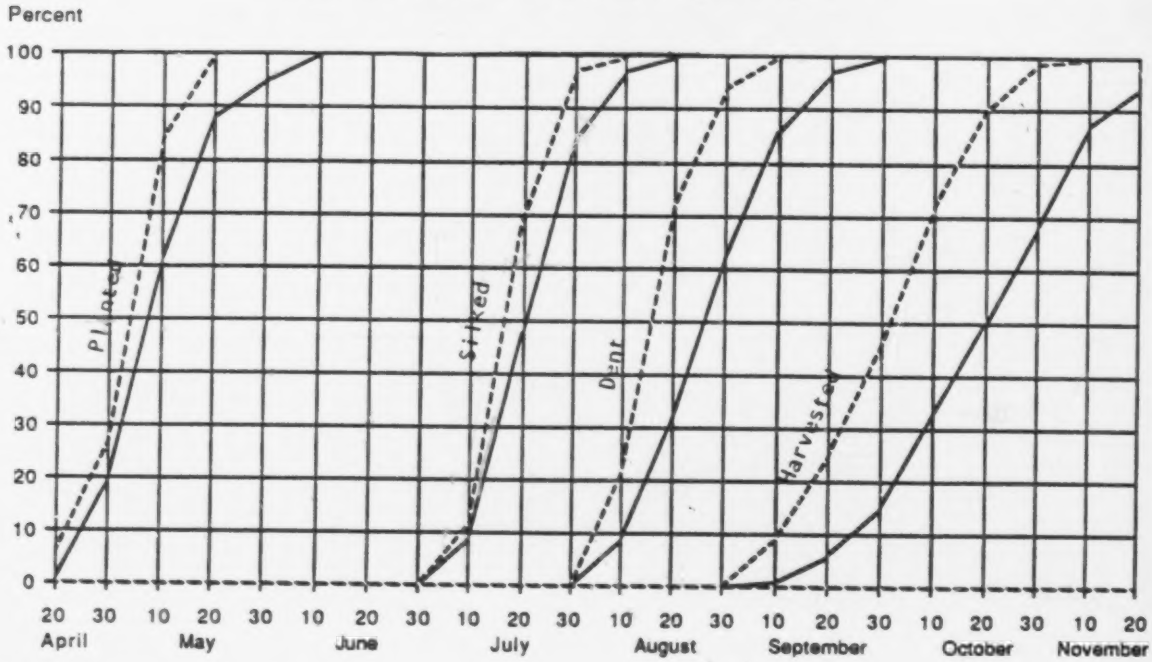
UNITED STATES

Planting of the 1988 corn crop got off to a good start and progress was well ahead of normal. By mid-May, planting equaled the fast pace set in 1987 at 88 percent completed. By the first of July, corn had reached the silking stage in the Corn Belt. By that time the drought of 1988 was in full swing and in some areas there was great concern of not making a crop. Drought conditions prevailed in most of the major producing areas during July. Widely scattered showers provided relief in local areas. Harvest started early and was 83 percent complete by the end of October, 7 percent behind last year but 16 percent ahead of the 1983-87 average.

Soybean plantings proceeded ahead of normal in most areas of the nation through the middle of June. However, soil conditions in June slowed planting progress in the south and southeast. Good prices and an early wheat harvest encouraged farmers to plant soybeans even with limited soil moisture. During July the crop was mostly fair to poor because of dry conditions. In August, growing conditions varied but heat and moisture stress continued to affect much of the midwest.

Area of principal crops planted or grown in 1988 totaled 308 million acres, up 3.2 million acres from 1987. Hay showed the largest acreage increase -- 4.8 million acres, followed by cotton with a 2.1 million acre increase, corn with a 1.9 million acre increase, and soybeans with a 0.9 million acre increase.

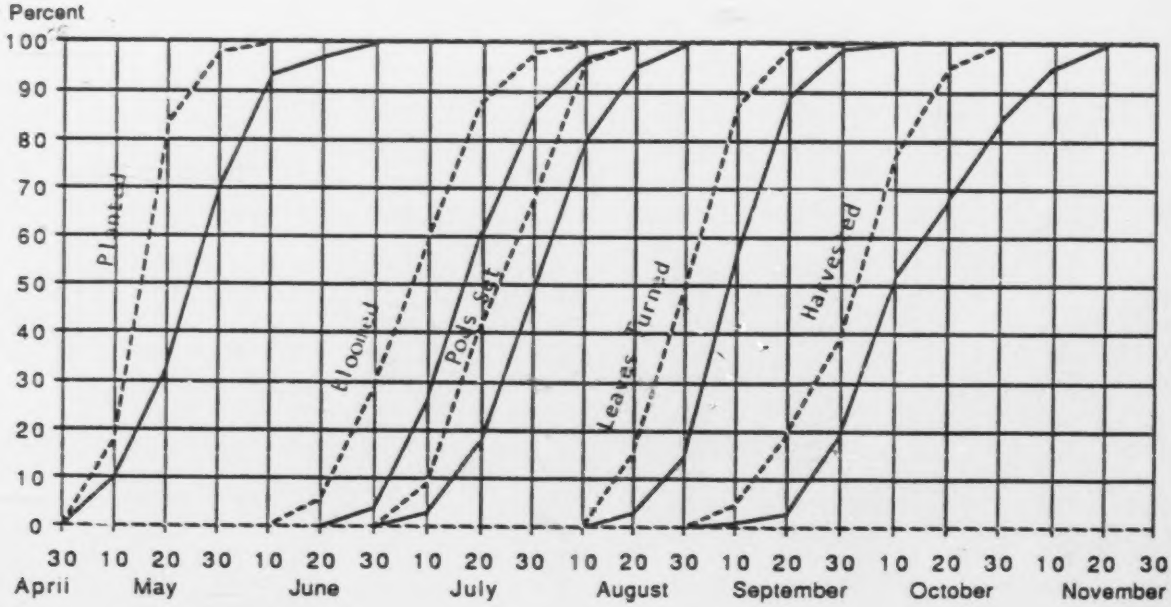
Corn Seasonal Development Chart[1]



Year
1988 ------

Average
1983-87 ——

Soybean Seasonal Development Chart[1]



[1] Percent in or past designated stage.

CROP SUMMARY: ACRES PLANTED, HARVESTED, YIELD, AND PRODUCTION, IOWA AND U.S.

Crop Year	Unit	Iowa				United States			
		Acreage				Acreage			
		Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
		-----1,000-----			-------------1,000-------------				--1,000--
					ALL CORN				
1978	- -	13,600	13,540	- -	- -	81,675	80,987	- -	- -
1984	- -	13,400	13,310	- -	- -	80,543	79,786	- -	- -
1985	- -	13,900	13,860	- -	- -	83,448	82,690	- -	- -
1986	- -	12,300	12,250	- -	- -	76,674	75,433	- -	- -
1987[1]	- -	10,300	10,270	- -	- -	65,704	65,037	- -	- -
1988[2]	- -	11,300	11,250	- -	- -	67,619	66,459	- -	- -
					CORN FOR GRAIN				
1978	Bu.	- -	12,850	115.0	1,477,750	- -	71,930	101.0	7,267,927
1984	Bu.	- -	12,900	112.0	1,444,800	- -	71,915	106.7	7,674,020
1985	Bu.	- -	13,550	126.0	1,707,300	- -	75,224	118.0	8,876,706
1986	Bu.	- -	12,050	135.0	1,626,750	- -	69,159	119.3	8,249,864
1987[1]	Bu.	- -	10,050	130.0	1,306,500	- -	59,208	119.4	7,072,073
1988[2]	Bu.	- -	10,700	84.0	898,800	- -	58,164	84.6	4,921,191
					CORN FOR SILAGE				
1978	Ton	- -	660	16.0	10,560	- -	8,624	13.7	118,132
1984	Ton	- -	395	15.0	5,925	- -	7,541	13.9	104,590
1985	Ton	- -	300	16.0	4,800	- -	7,160	14.4	102,753
1986	Ton	- -	200	17.0	3,400	- -	6,274	14.1	88,660
1987[1]	Ton	- -	220	16.0	3,520	- -	5,829	14.5	84,468
1988[2]	Ton	- -	550	9.0	4,950	- -	8,295	9.5	78,925
					SOYBEANS				
1978	Bu.	7,600	7,550	37.5	283,125	64,708	63,663	29.4	1,868,754
1984	Bu.	8,500	8,400	31.5	264,600	67,755	66,113	28.1	1,860,863
1985	Bu.	8,200	8,150	38.0	309,700	63,130	61,584	34.1	2,098,531
1986	Bu.	8,500	8,450	41.5	350,675	60,385	58,292	33.3	1,940,101
1987[1]	Bu.	7,950	7,900	43.5	343,650	57,955	56,977	33.7	1,922,762
1988[2]	Bu.	8,050	8,000	31.0	248,000	58,870	57,383	26.8	1,538,666
					OATS				
1978	Bu.	1,950	1,050	58.0	60,900	16,407	11,126	52.3	581,657
1984	Bu.	1,300	740	64.0	47,360	12,414	8,163	58.0	473,661
1985	Bu.	1,600	760	76.0	57,760	13,255	8,177	63.7	520,800
1986	Bu.	2,500	630	62.0	39,060	14,691	6,860	56.3	386,356
1987[1]	Bu.	4,200	650	55.0	35,750	17,959	6,925	54.0	374,000
1988[2]	Bu.	2,100	550	48.0	26,400	13,927	5,590	39.1	218,773
					ALL HAY				
1978	Ton	- -	2,330	3.65	8,499	- -	62,113	2.32	143,817
1984	Ton	- -	2,150	3.65	7,850	- -	61,445	2.45	150,648
1985	Ton	- -	2,150	3.32	7,133	- -	60,423	2.46	148,601
1986	Ton	- -	2,400	3.33	8,000	- -	62,419	2.49	155,529
1987[1]	Ton	- -	2,000	3.35	6,703	- -	60,748	2.46	149,302
1988[2]	Ton	- -	3,200	2.11	6,760	- -	65,559	1.93	126,817

[1] Revised. [2] Preliminary.

CROP SUMMARY: ACRES PLANTED, HARVESTED, YIELD, AND PRODUCTION, IOWA AND U.S.

Crop Year	Unit	Iowa				United States			
		Acreage				Acreage			
		Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
		-----1,000-----			------------1,000------------				--1,000--
					ALFALFA				
1978	Ton	- -	1,800	4.00	7,200	- -	27,864	3.13	87,294
1984	Ton	- -	1,650	4.00	6,600	- -	26,799	3.36	90,105
1985	Ton	- -	1,550	3.75	5,813	- -	25,608	3.32	85,048
1986	Ton	- -	1,600	3.80	6,080	- -	26,793	3.42	91,552
1987[1]	Ton	- -	1,450	3.75	5,438	- -	25,535	3.32	84,794
1988[2]	Ton	- -	2,400	2.35	5,640	- -	26,695	2.60	69,282
					SORGHUM				
1978	Bu.	36	24	75.0	1,800	16,197	13,410	54.5	731,270
1984	Bu.	20	12	55.0	660	17,254	15,355	56.4	866,241
1985	Bu.	-[3]	-[3]	-[3]	-[3]	18,285	16,782	66.8	1,120,271
1986	Bu.	- -	- -	- -	- -	15,336	13,859	67.7	938,124
1987[1]	Bu.	- -	- -	- -	- -	11,804	10,604	69.7	739,249
1988[2]	Bu.	- -	- -	- -	- -	10,358	9,052	63.8	577,551
					ALL WHEAT				
1978	Bu.	60	45	31.0	1,395	65,989	56,495	31.4	1,775,524
1984	Bu.	110	100	36.0	3,600	79,213	66,928	38.8	2,594,777
1985	Bu.	120	112	48.0	5,376	75,575	64,734	37.5	2,425,105
1986	Bu.	90	60	28.0	1,680	72,068	60,723	34.4	2,091,635
1987[1]	Bu.	90	30	38.0	1,140	65,834	55,960	37.7	2,107,480
1988[2]	Bu.	60	35	30.0	1,050	65,529	53,174	34.1	1,811,261
					RYE				
1978	Bu.	19	5	30.0	150	2,865	926	26.0	24,065
1984	Bu.	30	5	34.0	170	2,971	981	33.1	32,463
1985	Bu.	25	6	36.0	216	2,563	717	28.8	20,637
1986	Bu.	20	4	36.0	144	2,384	677	28.8	19,522
1987[1]	Bu.	25	4	35.0	140	2,498	683	29.0	19,818
1988[2]	Bu.	30	5	30.0	150	2,444	607	24.8	15,047
					POTATOES				
1978	Cwt.	1.7	1.5	200	300	1,401.0	1,374.5	267	366,314
1984	Cwt.	1.7	1.4	150	210	1,336.9	1,301.0	279	362,612
1985	Cwt.	1.6	1.6	206	330	1,409.1	1,361.1	299	407,109
1986	Cwt.	1.7	1.7	195	332	1,257.2	1,219.6	296	361,511
1987[1]	Cwt.	2.0	2.0	180	360	1,302.0	1,279.3	301	385,462
1988[2]	Cwt.	1.8	1.7	170	289	1,268.8	1,242.9	282	349,973
					APPLES				
1978	Mil. lbs.	- -	- -	- -	8.9	- -	- -	- -	7,596.9
1983	Mil. lbs.	- -	- -	- -	12.5	- -	- -	- -	8,373.0
1984	Mil. lbs.	- -	- -	- -	5.0	- -	- -	- -	8,333.0
1985[2]	Mil. lbs.	- -	- -	- -	13.5	- -	- -	- -	7,923.5
1986[2]	Mil. lbs.	- -	- -	- -	5.5	- -	- -	- -	7,933.0
1987[1]	Mil. lbs.	- -	- -	- -	10.0	- -	- -	- -	10,748.6
1988[2]	Mil. lbs.	- -	- -	- -	8.5	- -	- -	- -	8,897.5

[1] Revised. [2] Preliminary. [3] Discontinued.

STATE RANKINGS: HARVESTED CROPS AND CROP PRODUCTION
IOWA AND 10 LEADING STATES, 1988

Item	1	2	3	4	5	6	7	8	9	10	Iowa Rank	Iowa % of U.S.
Harvested Acres												
Corn for grain	Iowa	Ill.	Neb.	Ind.	Minn.	Ohio	S.D.	Mo.	Wisc.	Mich.	1	18
Corn for silage	Wisc.	Minn.	S.D.	Iowa	Pa.	N.Y.	Mich.	N.D.	Ill.	Ohio	4	7
Soybeans	Ill.	Iowa	Minn.	Mo.	Ind.	Ohio	Ark.	Neb.	Miss.	Kans.	2	14
Oats	S.D.	Minn.	Wisc.	Iowa	N.D.	Neb.	Pa.	Mich.	Ohio	Tex.	4	10
All Wheat	Kans.	N.D.	Okla.	Mont.	Tex.	S.D.	Colo.	Minn.	Wash.	Neb.	39	–[1]
Winter wheat	Kans.	Okla.	Tex.	Colo.	Mont.	Neb.	Wash.	Mo.	S.D.	Ill.	38	–[1]
Rye	N.D.	S.D.	Ga.	Neb.	Minn.	N.C.	S.C.	Okla.	Mich.	Pa.	20	1
Alfalfa hay & mixtures	Wisc.	Iowa	Minn.	S.D.	Neb.	Mich.	Cal.	Mont.	N.D.	N.Y.	2	9
All other hay	Mo.	Tex.	Neb.	S.D.	Ky.	Okla.	Kans.	N.D.	Minn.	Tenn.	17	2
All hay	S.D.	Minn.	Mo.	Wisc.	Neb.	Iowa	Tex.	N.D.	Kans.	Okla.	6	5
Potatoes	Idaho	N.D.	Wash.	Maine	Minn.	Colo.	Wisc.	Cal.	Oreg.	Mich.	33	–[1]
Total acres of principal crops harvested[2]	Iowa	Ill.	Kans.	Minn.	Neb.	Tex.	N.D.	S.D.	Mo.	Ind.	1	8
Production												
Corn for grain	Iowa	Neb.	Ill.	Ind.	Minn.	Ohio	Mo.	Kans.	S.D.	Wisc.	1	18
Corn for silage	Wisc.	N.Y.	Pa.	Minn.	Iowa	Cal.	Neb.	Mich.	Va.	Ohio	5	6
Soybeans for beans	Iowa	Ill.	Minn.	Ind.	Mo.	Ohio	Ark.	Neb.	La.	Miss.	1	16
Oats	Iowa	Minn.	S.D.	Wisc.	Pa.	Neb.	Ill.	Ohio	Tex.	N.Y.	1	12
All wheat	Kans.	Okla.	Wash.	N.D.	Tex.	Colo.	Mo.	Idaho	Neb.	Ill.	41	–[1]
Winter wheat	Kans.	Okla.	Wash.	Tex.	Mo.	Colo.	Neb.	Ill.	Ark.	Idaho	40	–[1]
Rye	S.D.	Ga.	Neb.	N.D.	Minn.	N.C.	Pa.	Okla.	S.C.	Mich.	19	1
Alfalfa hay & mixture	Cal.	Iowa	Minn.	Wisc.	Neb.	Idaho	Mich.	Colo.	N.Y.	Kans.	2	8
All other hay	Tex.	Mo.	Ky.	Kans.	Okla.	Neb.	Minn.	N.Y.	Pa.	Tenn.	21	2
All hay	Cal.	Minn.	Iowa	Neb.	Tex.	Kans.	Mo.	N.Y.	Wisc.	Pa.	3	5
Potatoes	Idaho	Wash.	Maine	Oreg.	Colo.	Wisc.	Cal.	N.D.	Minn.	Mich.	34	–[1]
Apples	Wash.	N.Y.	Mich.	Cal.	Pa.	Va.	N.C.	W.Va.	Oreg.	Idaho	34	–[1]
Capacity of off-farm storage facilities[3]	Ill.	Iowa	Kans.	Tex.	Neb.	Minn.	Ind.	Ohio	Mo.	Okla.	2	12
Capacity of on-farm storage facilities[3]	Iowa	Minn.	Ill.	Neb.	N.D.	Ind.	S.D.	Ohio	Wisc.	Kans.	1	15

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[1] Less than 1/2 of 1 percent. [2] Crop acres included are: corn, sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflower, cotton, all hay, dry beans, potatoes, sweet potatoes, tobacco, sugarcane, and sugar beets. [3] December 1, 1988.

Crops: Record Highs and Lows
For Acreage, Yield and Production of Iowa Crops

Item	Unit	Record High		Record Low		Year record started
		Quantity	Year[1]	Quantity	Year[1]	
Corn for grain						1919
Acres harvested	Thou. acres	13,850	1981	5,701	1934	
Yield	Bushels	135.0	1986	20.0	1936	
Production	Mil. Bu.	1,731.25	1981	148.90	1936	
Corn for silage						1919
Acres harvested	Thou. acres	970	1976	134	1942	
Yield	Tons	17.5	1979	3.5	1936	
Production	Mil. tons	12.13	1976	1.41	1942	
Grain sorghum						1954
Acres harvested	Thou. acres	308	1957	5	1983	
Yield	Bushels	87.0	1971	35.0	1955	
Production	Mil. bu.	13.86	1957	.21	1955	
Hay, all						1909
Acres harvested	Thou. acres	4,869	1909	2,000	1987	
Yield	Tons	3.75	1979	.79	1911	
Production	Mil. tons	8.75	1979	3.05	1934	
Hay, alfalfa						1919
Acres harvested	Thou. acres	2,580	1957	172	1919	
Yield	Tons	4.10	1979	1.49	1934	
Production	Mil. tons	7.42	1979	.44	1919	
Oats						1866
Acres harvested	Thou. acres	6,520	1950	450	1866	
Yield	Bushels	76.0	1985	13.0	1934	
Production	Mil. bu.	273.87	1948	15.53	1866	
Rye						1866
Acres harvested	Thou. acres	207	1937	3	1983	
Yield	Bushels	36.0	1986	7.9	1934	
Production	Mil. bu.	4.04	1937	.07	1953	
Soybeans, for beans						1924
Acres harvested	Thou. acres	8,450	1986	7	1925	
Yield	Bushels	43.5	1987	11.5	1934	
Production	Mil. bu.	350.68	1986	.10	1925	
Wheat						1866
Acres harvested	Thou. acres	3,420	1874	30	1987	
Yield	Bushels	48.0	1985	6.0	1881	
Production	Mil. bu.	40.43	1873	.84	1965	

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[1] In case of a tie, the most recent year was used.

Grain Stocks (Late Crops): Storage on Farms and Total, By Quarter, Iowa and U.S.

Crop year	Production	Cal. year	January 1[1] On farm	January 1[1] Total	Marketing Season April 1[1] On farm	Marketing Season April 1[1] Total	June 1[1] On farm	June 1[1] Total	End of season[1] On farm	End of season[1] Total
	1000/bu.				Thousand bushels					
IOWA					**CORN**					
1977	1,092,200	1978	797,306	1,128,442	589,788	859,735	458,724	649,715	163,830	273,441
1983	743,850	1984	691,781	1,084,083	468,626	738,343	304,979	500,145	81,824	187,965
1984	1,444,800	1985	895,776	1,205,696	693,504	937,532	520,128	717,667	173,376	424,551
1985	1,707,300	1986	1,246,329	1,813,450	956,088	1,445,764	819,504	1,280,883	563,000	1,054,474
1986	1,626,750	1987	1,600,000	2,345,203	1,250,000	1,967,885	890,000	1,536,062	615,000	1,222,445
1987	1,306,500	1988	1,380,000	2,129,726	1,050,000	1,726,233	840,000	1,400,574	500,000	1,013,573
1988[2]	898,800	1989[2]	890,000	1,443,532	690,000	1,131,300				
					SOYBEANS					
1977	251,340	1978	130,697	242,289	92,996	190,326	60,322	123,738	17,594	46,230
1983	278,600	1984	130,942	247,887	89,152	165,653	44,576	102,494	19,502	46,046
1984	264,600	1985	132,300	236,926	103,194	181,437	79,380	140,785	34,398	82,291
1985	309,700	1986	164,141	322,273	133,171	258,453	108,395	214,931	52,00	158,380
1986	350,675	1987	210,000	407,180	140,000	313,588	80,000	228,568	27,00	132,080
1987	343,650	1988	185,000	377,362	134,000	258,663	94,000	163,617	30,000	74,038
1988[2]	248,000	1989[2]	148,000	272,668	100,000	188,335				
UNITED STATES					**CORN**					
1977	6,505,041	1978	3,873,623	5,552,301	2,549,170	3,909,415	1,872,359	2,861,138	666,727	1,111,435
1983	4,174,678	1984	3,079,963	4,912,867	1,933,652	3,251,210	1,213,068	2,145,075	347,853	723,223
1984	7,674,020	1985	4,304,054	5,864,225	2,833,806	3,965,542	2,007,823	2,835,524	678,947	1,380,727
1985	8,876,706	1986	5,528,606	7,894,768	3,981,992	5,947,079	3,143,067	4,990,037	2,049,410	4,039,522
1986	8,249,864	1987	6,795,500	10,305,499	5,024,000	8,248,193	3,491,800	6,332,241	2,284,500	4,881,693
1987[3]	7,072,073	1988[3]	6,100,000	9,768,465	4,421,000	7,635,590	3,241,000	5,835,542	2,002,800	4,259,086
1988[2]	4,921,191	1989[2]	4,280,200	7,071,567	3,021,000	5,204,605				
					SOYBEANS					
1977	1,767,267	1978	674,550	1,326,950	394,405	849,853	207,541	506,356	59,132	161,176
1983	1,635,772	1984	620,171	1,290,555	374,237	790,002	179,601	471,686	67,912	175,696
1984	1,860,863	1985	766,335	1,422,059	487,369	896,001	326,596	608,417	143,221	316,057
1985	2,098,531	1986	927,395	1,760,279	599,246	1,175,984	411,740	848,926	167,090	536,365
1986	1,940,101	1987	1,061,000	1,956,637	589,000	1,338,958	282,100	836,754	107,950	436,447
1987[3]	1,922,762	1988[3]	865,300	1,755,470	551,500	1,146,120	303,900	655,282	105,050	302,476
1988[2]	1,538,666	1989[2]	650,000	1,366,812	415,000	890,246				

[1] Starting on September 1, 1986, all stocks surveys were changed to four quarterly periods (Dec. 1, March 1, June 1, and Sept. 1). Quantities of grain stored reflect these new survey periods starting with the 1986 end of season estimate. Prior to 1986, the end of season for corn was Oct. 1 and Sept. 1 for soybeans. [2] Preliminary. [3] Revised.

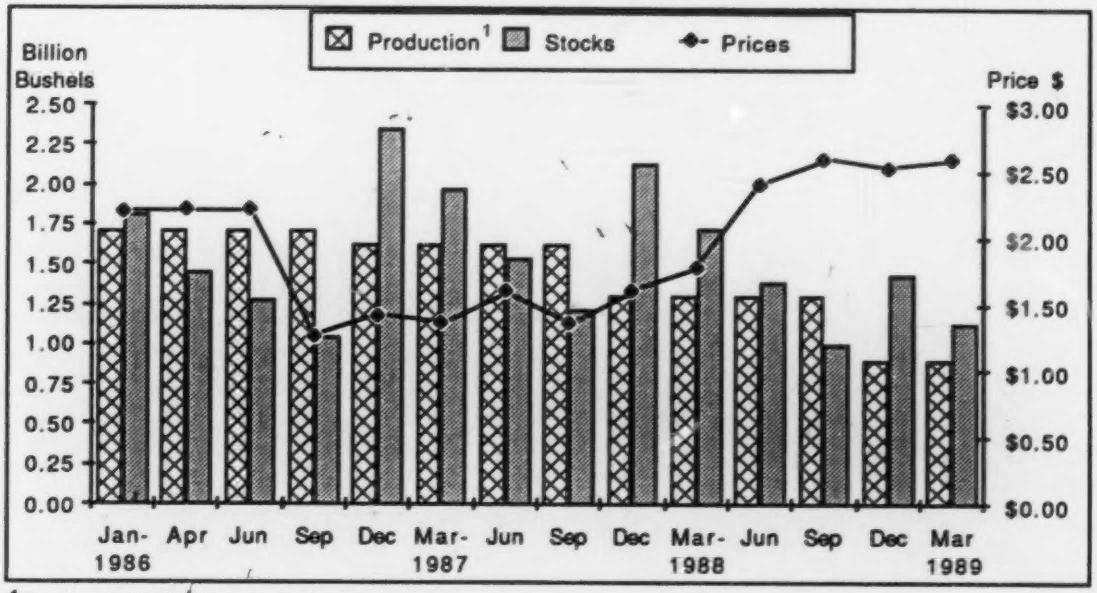
Iowa Grain Storage Facilities, January 1[1]

Number of Facilities and Rated Storage Capacities

Year	Number of Facilities[2]	Off-Farm Capacity	On-Farm Capacity
		------(000 bu.)------	
1963		359,800	
1964		348,300	
1965		351,800	
1966		359,000	
1967		359,500	
1968		370,700	
1969		404,050	
1970		437,600	
1971		442,600	
1972		443,000	
1973		486,000	
1974		502,000	
1975		524,000	
1976		557,000	
1977[3]	1,184	587,900	
1978	1,150	635,000	
1979	1,120	677,500	
1980	1,090	705,150	
1981	1,110	735,000	
1982	1,037	738,707	
1983	1,024	874,460	
1984	1,009	905,330	
1985	976	875,970	
1986 (Jan)	941	902,930	1,975,922
1986 (Dec)	931	1,084,790	2,020,294
1987	917	1,153,670	2,100,020
1988	907	1,127,770	1,980,000

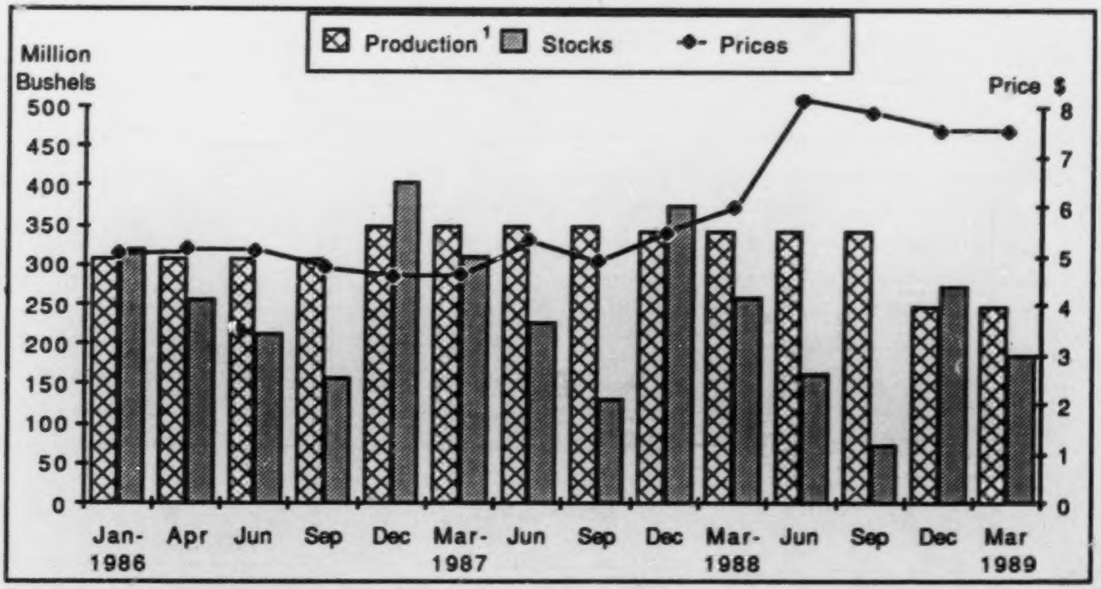
[1] Annual estimate changed from January 1 to December 1 in 1986. [2] One facility may include several elevators, but records are maintained at one central location. [3] Number of facilities not available before 1977.

CORN
Production By Year, Price & Stocks By Quarters



[1]Production refers to previous crop year.

SOYBEANS
Production By Year, Price & Stocks By Quarters



[1]Production refers to previous crop year.

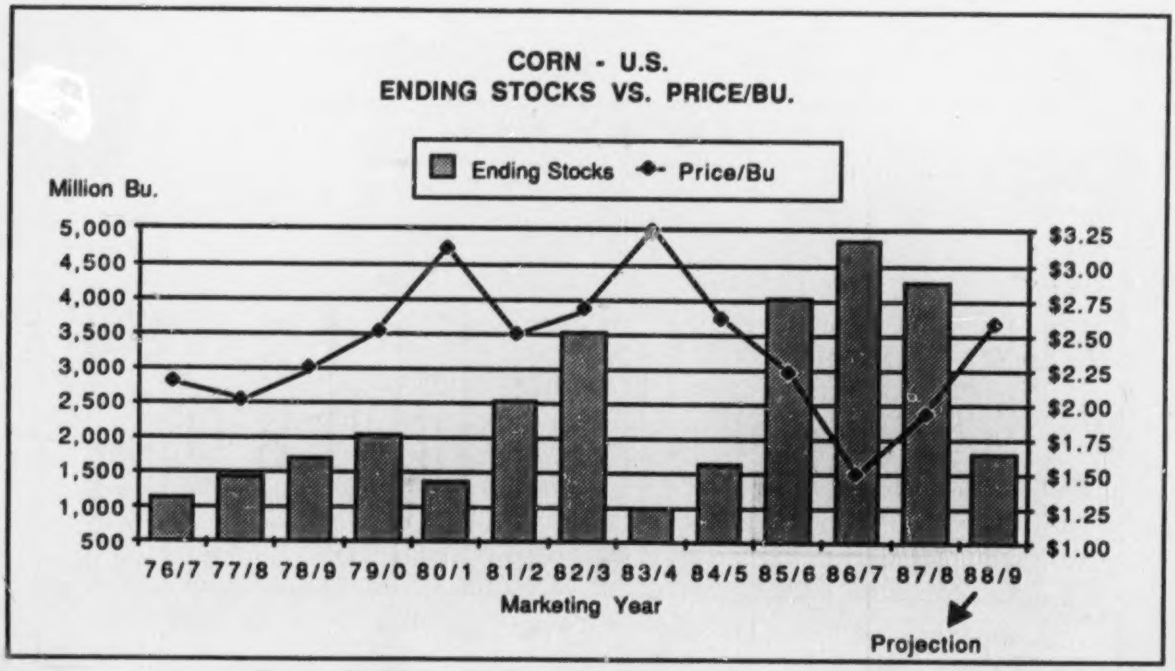
U.S. CORN SUPPLY DEMAND ESTIMATES

April 1989

September 1 to August 31 Marketing Year

Mktg. Year	Carry-over	Prod.	Total Supply	Feed Use and Residual	Other Domestic Use	Exports	Ending Stocks Mil. Bu	Ending Stocks Days[1]	Ending Stocks % Prod	Avg. Farm Price
	Million Bushels									$/Bu.
75/76	558	5,841	6,401	3,569	521	1,678	633	40	10.84	2.54
76/77	633	6,289	6,925	3,590	542	1,657	1,136	72	18.06	2.15
77/78	1,136	6,505	7,643	3,717	581	1,909	1,436	84	22.08	2.02
78/79	1,436	7,268	8,705	4,264	609	2,124	1,710	89	23.53	2.25
79/80	1,910	7,928	9,638	4,549	640	2,415	2,034	98	25.66	2.52
80/81	2,034	6,639	8,675	4,157	718	2,408	1,392	70	20.97	3.11
81/82	1,392	8,119	9,512	4,169	797	2,009	2,537	133	31.25	2.50
82/83	2,537	8,235	10,773	4,521	895	1,834	3,523	177	42.78	2.68
83/84	3,523	4,175	7,701	3,818	975	1,902	1,006	55	24.10	3.25
84/85	1,006	7,674	8,684	4,116	1,055	1,865	1,648	85	21.48	2.62
85/86	1,648	8,877	10,536	4,095	1,160	1,241	4,040	227	45.51	2.23
86/87	4,040	8,250	12,291	4,714	1,192	1,504	4,882	240	59.18	1.50
87/88	4,882	7,072	11,958	4,738	1,229	1,732	4,259	202	60.22	1.94
88/89[2]	4,259	4,921	9,185	4,000	1,255	2,100	1,830	91	37.19	2.45-2.70

[1] "Ending stocks available by days" is calculated by dividing the current year's total use (feed, other domestic, and exports) by days during year to obtain a daily use. The ending stocks are then divided by the daily use to obtain stocks available by days. [2] Projection May 1988.



U.S. SOYBEAN SUPPLY DEMAND ESTIMATES

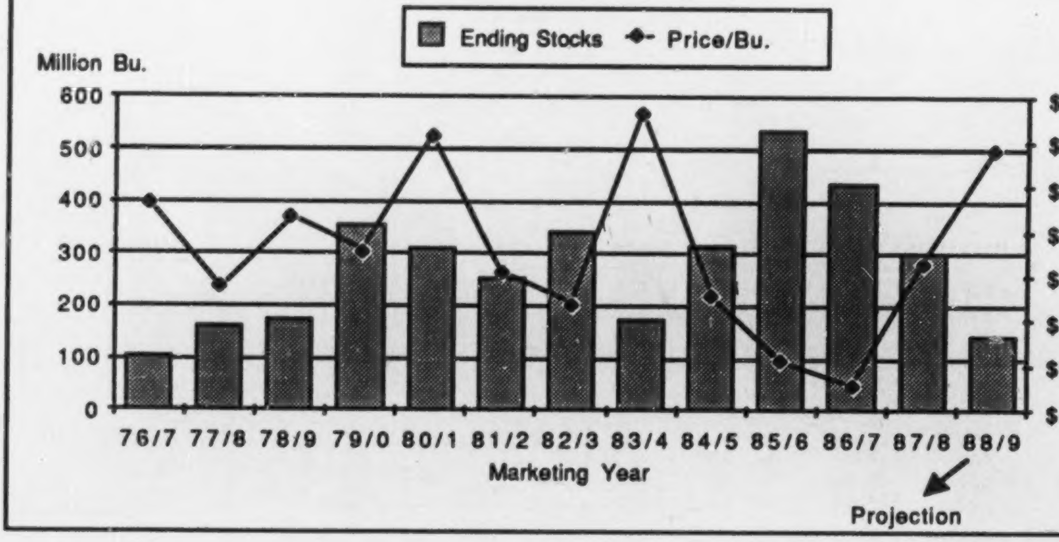
April 1989

September 1 to August 31 Marketing Year

Mktg. Year	Carry-over	Prod.	Total Supply	Crush	Exports	Feed, Seed,& Residual	Ending Stocks Mil. Bu	Ending Stocks Days[1]	Ending Stocks % Prod	Avg. Farm Price
	Million Bushels									*$/Bu.*
75/76	188	1,548	1,736	865	555	71	245	60	15.84	4.92
76/77	245	1,289	1,534	790	564	77	103	26	8.00	6.81
77/78	103	1,767	1,870	927	700	82	161	34	9.14	5.88
78/79	161	1,869	2,030	1,018	739	97	176	35	9.42	6.66
79/80	176	2,261	2,437	1,123	875	81	358	63	15.83	6.28
80/81	358	1,798	2,156	1,020	724	99	313	61	17.41	7.57
81/82	313	1,989	2,302	1,030	929	89	254	45	12.77	6.04
82/83	254	2,190	2,444	1,108	905	86	345	60	15.75	5.69
83/84	345	1,636	1,981	983	743	79	176	36	10.76	7.81
84/85	176	1,861	2,037	1,030	598	93	316	67	16.98	5.78
85/86	316	2,099	2,415	1,053	741	85	536	104	25.54	5.05
86/87	536	1,940	2,476	1,179	757	104	436	78	22.47	4.78
87/88	436	1,923	2,359	1,174	802	81	302	54	15.70	6.15
88/89[2]	302	1,539	1,841	1,050	550	96	145	31	9.42	7.20-7.60

[1] "Ending stocks available by days" is calculated by dividing the current year's total use (crush, exports, and feed, seed, and residual) by days during year to obtain a daily use. The ending stocks are then divided by the daily use to obtain stocks available by days. [2] Projection May 1988.

SOYBEANS - U.S.
ENDING STOCKS VS. PRICE/BU.



Iowa Corn
Acreage, Yield and Production, By County, 1987[1]

County and District	Planted for all purposes Acres	Harvested for grain Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	121,000	118,400	133.7	15,833
Cherokee	108,000	105,600	128.4	13,561
Clay	106,000	103,000	140.0	14,420
Dickinson	68,000	66,800	132.6	8,855
Emmet	88,000	87,100	141.9	12,360
Lyon	123,000	115,600	122.3	14,138
O'Brien	125,000	122,700	133.8	16,416
Osceola	84,000	82,800	139.9	11,583
Palo Alto	131,000	129,800	140.6	18,250
Plymouth	185,000	181,200	119.0	21,571
Pocahontas	123,000	121,300	135.8	16,477
Sioux	184,000	173,700	116.2	20,184
NW District	1,446,000	1,408,000	130.4	183,648
Butler	127,000	124,600	127.1	15,837
Cerro Gordo	124,000	123,200	131.3	16,170
Floyd	104,000	101,800	128.5	13,084
Franklin	132,000	131,100	140.5	18,420
Hancock	121,000	119,600	136.6	16,338
Humboldt	92,000	90,800	140.0	12,714
Kossuth	204,000	202,700	143.5	29,087
Mitchell	94,000	90,700	127.6	11,574
Winnebago	90,000	89,200	135.4	12,076
Worth	82,000	81,100	138.2	11,204
Wright	121,000	120,200	143.8	17,280
NC District	1,291,000	1,275,000	136.3	173,784
Allamakee	66,000	61,000	145.5	8,876
Black Hawk	119,000	117,600	143.7	16,901
Bremer	90,000	88,000	135.0	11,878
Buchanan	145,000	143,300	144.2	20,669
Chickasaw	110,000	107,500	132.7	14,261
Clayton	135,000	127,100	145.1	18,438
Delaware	148,000	144,800	139.6	20,213
Dubuque	108,000	102,700	133.3	13,694
Fayette	147,000	140,100	143.2	20,065
Howard	86,000	82,800	132.8	10,994
Winneshiek	116,000	105,100	137.1	14,413
NE District	1,270,000	1,220,000	139.7	170,402
Audubon	97,000	94,800	135.7	12,860
Calhoun	134,000	133,000	146.7	19,511
Carroll	126,000	123,200	137.4	16,930
Crawford	133,000	131,400	136.7	17,958
Greene	109,000	108,200	148.8	16,097
Guthrie	97,000	96,300	134.2	12,924
Harrison	129,000	127,400	138.2	17,612
Ida	99,000	96,700	127.6	12,339
Monona	132,000	126,300	125.6	15,864
Sac	116,000	114,600	139.2	15,957
Shelby	140,000	135,800	130.4	17,708
Woodbury	166,000	162,300	122.1	19,824
WC District	1,478,000	1,450,000	134.9	195,584
Boone	103,000	101,100	143.5	14,510
Dallas	104,000	103,500	139.4	14,433
Grundy	126,000	123,900	129.1	15,992
Hamilton	120,000	119,400	140.9	16,823
Hardin	128,000	126,400	141.4	17,871
Jasper	129,000	127,400	138.7	17,675
Marshall	120,000	119,000	142.4	16,950
Polk	76,000	75,500	144.3	10,897
Poweshiek	98,000	96,100	130.2	12,512
Story	121,000	118,700	144.7	17,170
Tama	136,000	133,700	137.8	18,420
Webster	131,000	130,300	143.1	18,650
C District	1,392,000	1,375,000	139.6	191,903
Benton	155,000	151,000	135.3	20,424
Cedar	133,000	131,300	114.3	15,008
Clinton	173,000	166,800	106.5	17,762
Iowa	120,000	116,300	122.1	14,204
Jackson	89,000	82,500	116.0	9,566
Johnson	105,000	102,500	109.0	11,173
Jones	126,000	119,300	125.2	14,931
Linn	115,000	113,200	126.3	14,295
Muscatine	98,000	94,700	93.2	8,822
Scott	107,000	105,400	122.3	12,892
EC District	1,221,000	1,183,000	117.6	139,077
Adair	88,000	85,100	132.8	11,299
Adams	47,000	46,200	121.7	5,623
Cass	103,000	100,200	137.8	13,804
Fremont	90,000	85,200	122.6	10,446
Mills	78,000	76,800	128.4	9,864
Montgomery	70,000	69,000	123.2	8,499
Page	77,000	74,700	114.1	8,524
Pottawattamie	190,000	186,600	136.9	25,540
Taylor	60,000	59,200	113.0	6,690
SW District	803,000	783,000	128.1	100,289
Appanoose	26,000	25,300	111.7	2,826
Clarke	35,000	32,500	104.1	3,383
Decatur	44,000	41,000	107.2	4,396
Lucas	35,000	31,700	104.7	3,319
Madison	75,000	73,300	120.1	8,803
Marion	77,000	75,700	129.4	9,793
Monroe	33,000	31,800	112.3	3,572
Ringgold	52,000	50,800	113.4	5,761
Union	49,000	48,300	117.8	5,690
Warren	78,000	76,800	127.3	9,778
Wayne	56,000	54,800	115.0	6,302
SC District	560,000	542,000	117.4	63,623
Davis	42,000	40,200	93.0	3,739
Des Moines	75,000	72,100	96.0	6,922
Henry	75,000	74,000	102.3	7,567
Jefferson	68,000	66,100	104.0	6,874
Keokuk	104,000	102,600	126.5	12,977
Lee	81,000	78,700	94.3	7,424
Louisa	80,000	78,400	92.9	7,281
Mahaska	100,000	95,200	133.1	12,672
Van Buren	51,000	47,600	102.2	4,867
Wapello	45,000	43,100	113.3	4,882
Washington	118,000	116,000	111.9	12,985
SE District	839,000	814,000	108.3	88,190
State	10,300,000	10,050,000	130.0	1,306,500

[1] Preliminary

Iowa Agricultural Statistics

Iowa Corn
Acreage, Yield and Production, By County, 1988[1]

County and District	Planted for all purposes Acres	Harvested for grain Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	138,000	135,700	113.0	15,335
Cherokee	127,000	124,800	120.3	15,015
Clay	120,000	115,700	100.3	11,600
Dickinson	78,000	73,900	106.7	7,887
Emmet	98,000	97,200	111.9	10,874
Lyon	133,000	122,800	71.5	8,776
O'Brien	141,000	139,000	123.9	17,217
Osceola	97,000	95,000	110.1	10,460
Palo Alto	142,000	138,500	107.2	14,852
Plymouth	195,000	187,300	71.0	13,298
Pocahontas	140,000	139,300	107.9	15,025
Sioux	217,000	201,800	90.0	18,158
NW District	1,626,000	1,571,000	100.9	158,497
Butler	136,000	133,900	94.5	12,656
Cerro Gordo	141,000	140,200	100.4	14,080
Floyd	114,000	111,000	84.0	9,328
Franklin	148,000	147,400	110.8	16,329
Hancock	138,000	136,700	115.4	15,770
Humboldt	107,000	105,300	107.2	11,293
Kossuth	237,000	234,700	122.0	28,633
Mitchell	109,000	102,800	82.6	8,493
Winnebago	100,000	99,200	118.9	11,796
Worth	92,000	90,700	99.2	8,999
Wright	142,000	141,100	111.6	15,745
NC District	1,464,000	1,443,000	106.1	153,122
Allamakee	70,000	58,000	66.3	3,845
Black Hawk	131,000	129,900	74.4	9,659
Bremer	101,000	93,300	70.5	6,578
Buchanan	150,000	145,500	75.5	10,981
Chickasaw	112,000	104,000	69.2	7,193
Clayton	133,000	113,500	67.0	7,610
Delaware	158,000	140,300	65.1	9,129
Dubuque	114,000	86,400	64.4	5,563
Fayette	168,000	152,800	79.2	12,101
Howard	95,000	89,300	63.1	5,634
Winneshiek	116,000	90,000	69.3	6,234
NE District	1,348,000	1,203,000	70.3	84,527
Audubon	100,000	98,100	91.8	9,002
Calhoun	144,000	143,300	123.4	17,690
Carroll	140,000	137,200	116.0	15,914
Crawford	147,000	145,600	103.7	15,103
Greene	125,000	124,200	99.7	12,381
Guthrie	106,000	105,200	93.6	9,843
Harrison	140,000	138,700	91.1	13,638
Ida	108,000	105,300	119.7	12,600
Monona	143,000	137,800	95.7	13,183
Sac	135,000	133,700	124.0	16,577
Shelby	152,000	148,200	94.5	14,009
Woodbury	186,000	180,700	79.9	14,446
WC District	1,626,000	1,598,000	102.2	163,386
Boone	119,000	117,100	87.1	10,199
Dallas	118,000	114,400	88.4	10,117
Grundy	142,000	139,000	89.9	12,500
Hamilton	137,000	136,100	80.6	10,971
Hardin	141,000	137,900	83.9	11,576
Jasper	147,000	143,100	76.2	10,906
Marshall	128,000	122,500	70.5	8,636
Polk	85,000	84,100	86.6	7,283
Poweshiek	111,000	91,800	51.8	4,753
Story	136,000	134,200	85.5	11,475
Tama	153,000	149,900	89.9	13,475
Webster	153,000	150,900	94.3	14,235
C District	1,570,000	1,521,000	82.9	126,126
Benton	165,000	156,400	57.6	9,008
Cedar	154,000	148,600	61.5	9,139
Clinton	182,000	166,000	53.4	8,867
Iowa	124,000	97,500	32.0	3,120
Jackson	96,000	74,600	45.2	3,375
Johnson	116,000	106,800	46.3	4,943
Jones	131,000	116,900	49.9	5,833
Linn	135,000	126,200	48.2	6,081
Muscatine	98,000	94,000	53.2	5,000
Scott	117,000	109,000	64.0	6,976
EC District	1,318,000	1,196,000	52.1	62,342
Adair	99,000	92,000	86.4	7,950
Adams	55,000	54,300	73.7	4,004
Cass	116,000	108,900	91.8	9,998
Fremont	93,000	92,100	112.0	10,315
Mills	84,000	83,300	108.0	9,000
Montgomery	79,000	78,300	95.9	7,512
Page	88,000	85,100	77.1	6,557
Pottawattamie	205,000	201,500	99.1	19,975
Taylor	60,000	56,500	60.2	3,401
SW District	879,000	852,000	92.4	78,712
Appanoose	30,000	23,300	50.0	1,165
Clarke	40,000	24,700	38.9	962
Decatur	39,000	20,700	39.0	807
Lucas	35,000	29,700	46.3	1,376
Madison	75,000	69,200	70.5	4,878
Marion	81,000	77,900	81.6	6,354
Monroe	34,000	26,500	46.3	1,226
Ringgold	55,000	46,100	44.8	2,064
Union	54,000	47,600	66.8	3,179
Warren	80,000	72,000	82.4	5,931
Wayne	52,000	44,300	44.5	1,973
SC District	575,000	482,000	62.1	29,915
Davis	44,000	39,900	52.8	2,106
Des Moines	76,000	73,000	65.1	4,751
Henry	84,000	81,200	61.1	4,964
Jefferson	68,000	60,400	57.4	3,469
Keokuk	113,000	106,700	39.6	4,220
Lee	80,000	71,200	38.7	2,755
Louisa	85,000	83,500	49.8	4,155
Mahaska	115,000	104,800	56.5	5,917
Van Buren	51,000	47,600	40.6	1,931
Wapello	51,000	45,300	63.0	2,852
Washington	127,000	120,400	42.0	5,053
SE District	894,000	834,000	50.6	42,173
State	11,300,000	10,700,000	84.0	898,800

Iowa Agricultural Statistics

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[1] Preliminary

Iowa Corn Silage
Acreage, Yield and Production, By County, 1987[1]

County and District	Planted for all purposes Acres	Harvested for silage Acres	Yield per acre Tons	Production 000/bu.
Buena Vista	121,000	2,500	15.2	38
Cherokee	108,000	1,800	16.1	29
Clay	106,000	2,900	19.7	57
Dickinson	68,000	1,000	13.0	13
Emmet	88,000	800	17.5	14
Lyon	123,000	7,300	15.5	113
O'Brien	125,000	2,200	16.4	36
Osceola	84,000	1,000	19.0	19
Palo Alto	131,000	1,100	17.3	19
Plymouth	185,000	3,600	13.1	47
Pocahontas	123,000	600	18.3	11
Sioux	184,000	10,200	13.5	138
NW District	1,446,000	35,000	15.3	534
Butler	127,000	2,100	13.8	29
Cerro Gordo	124,000	500	16.0	8
Floyd	104,000	2,100	16.2	34
Franklin	132,000	600	15.0	9
Hancock	121,000	1,200	19.2	23
Humboldt	92,000	900	14.4	13
Kossuth	204,000	900	14.4	13
Mitchell	94,000	3,300	17.6	58
Winnebago	90,000	800	15.0	12
Worth	82,000	900	18.9	17
Wright	121,000	700	17.1	12
NC District	1,291,000	14,000	16.3	228
Allamakee	66,000	4,900	16.9	83
Black Hawk	119,000	1,200	20.8	25
Bremer	90,000	1,700	19.4	33
Buchanan	145,000	1,600	18.1	29
Chickasaw	110,000	2,400	13.8	33
Clayton	135,000	6,600	17.1	113
Delaware	148,000	3,000	18.7	56
Dubuque	106,000	4,900	18.6	91
Fayette	147,000	6,500	18.9	123
Howard	86,000	2,800	13.6	38
Winneshiek	116,000	10,400	18.3	190
NE District	1,270,000	46,000	17.7	814
Audubon	97,000	1,900	15.3	29
Calhoun	134,000	600	15.0	9
Carroll	126,000	2,700	15.2	41
Crawford	133,000	1,400	16.4	23
Greene	109,000	700	17.1	12
Guthrie	97,000	600	18.3	11
Harrison	129,000	1,300	14.6	19
Ida	99,000	2,200	14.1	31
Monona	132,000	5,600	15.2	85
Sac	116,000	1,300	15.4	20
Shelby	140,000	4,100	17.8	73
Woodbury	166,000	3,600	14.4	52
WC District	1,478,000	26,000	15.6	405
Boone	103,000	1,500	16.0	24
Dallas	104,000	500	18.0	9
Grundy	126,000	2,000	19.5	39
Hamilton	120,000	500	14.0	7
Hardin	128,000	1,500	18.7	28
Jasper	129,000	1,500	18.0	27
Marshall	120,000	900	18.9	17
Polk	76,000	400	20.0	8
Poweshiek	98,000	1,900	19.5	37
Story	121,000	1,700	16.5	28
Tama	136,000	2,000	18.5	37
Webster	131,000	600	16.7	10
C District	1,392,000	15,000	18.1	271
Benton	155,000	3,500	19.7	69
Cedar	133,000	1,300	12.3	16
Clinton	173,000	5,600	16.1	90
Iowa	120,000	2,500	18.4	45
Jackson	89,000	6,200	13.2	82
Johnson	105,000	1,900	13.7	26
Jones	126,000	6,300	17.6	111
Linn	115,000	1,400	14.3	20
Muscatine	98,000	3,000	14.0	42
Scott	107,000	1,300	18.5	24
EC District	1,221,000	33,000	15.9	526
Adair	88,000	2,600	16.9	44
Adams	47,000	600	16.7	10
Cass	103,000	2,400	14.2	34
Fremont	90,000	800	15.0	12
Mills	78,000	600	13.3	8
Montgomery	70,000	600	16.7	10
Page	77,000	2,000	15.5	31
Pottawattamie	190,000	2,800	17.5	49
Taylor	60,000	600	13.3	8
SW District	803,000	13,000	15.8	206
Appanoose	26,000	700	15.7	11
Clarke	35,000	2,200	15.0	33
Decatur	44,000	3,000	14.7	44
Lucas	35,000	3,100	13.9	43
Madison	75,000	1,600	16.9	27
Marion	77,000	1,200	17.5	21
Monroe	33,000	1,200	12.5	15
Ringgold	52,000	1,100	16.4	18
Union	49,000	700	15.7	11
Warren	78,000	1,100	18.2	20
Wayne	56,000	1,100	14.5	16
SC District	560,000	17,000	15.2	259
Davis	42,000	1,400	12.1	17
Des Moines	75,000	2,200	12.7	28
Henry	75,000	800	10.0	8
Jefferson	68,000	1,600	9.4	15
Keokuk	104,000	1,100	12.7	14
Lee	81,000	2,000	12.5	25
Louisa	80,000	800	8.8	7
Mahaska	100,000	4,500	18.0	81
Van Buren	51,000	3,200	14.1	45
Wapello	45,000	1,800	11.1	20
Washington	118,000	1,600	10.6	17
SE District	839,000	21,000	13.2	277
State	10,300,000	220,000	16.0	3,520

[1] Preliminary.

Iowa Agricultural Statistics

Iowa Corn Silage
Acreage, Yield and Production, By County, 1988[1]

County and District	Planted for all purposes Acres	Harvested for silage Acres	Yield per acre Tons	Production 000/ton
Buena Vista	138,000	2,300	15.7	36
Cherokee	127,000	2,200	17.3	38
Clay	120,000	4,300	14.2	61
Dickinson	78,000	4,000	10.3	41
Emmet	98,000	800	11.3	9
Lyon	133,000	10,200	9.9	101
O'Brien	141,000	2,000	15.0	30
Osceola	97,000	2,000	14.5	29
Palo Alto	142,000	3,500	15.4	54
Plymouth	195,000	7,700	9.5	73
Pocahontas	140,000	700	12.9	9
Sioux	217,000	14,300	10.1	144
NW District	1,626,000	54,000	11.6	625
Butler	136,000	1,900	11.1	21
Cerro Gordo	141,000	600	11.7	7
Floyd	114,000	3,000	8.7	26
Franklin	148,000	600	11.7	7
Hancock	138,000	1,300	13.8	18
Humboldt	107,000	1,700	12.9	22
Kossuth	237,000	1,900	16.8	32
Mitchell	109,000	6,200	8.4	52
Winnebago	100,000	800	11.3	9
Worth	92,000	1,300	13.8	18
Wright	142,000	700	12.9	9
NC District	1,464,000	20,000	11.1	221
Allamakee	70,000	11,000	8.6	05
Black Hawk	131,000	1,100	7.3	8
Bremer	101,000	7,700	10.4	80
Buchanan	150,000	4,500	11.3	51
Chickasaw	112,000	7,900	7.5	59
Clayton	133,000	19,000	9.5	181
Delaware	158,000	16,200	8.6	139
Dubuque	114,000	27,000	9.2	249
Fayette	168,000	15,200	11.8	180
Howard	95,000	5,400	7.6	41
Winneshiek	116,000	25,000	10.2	255
NE District	1,348,000	140,000	9.6	1,338
Audubon	100,000	1,800	12.8	23
Calhoun	144,000	600	15.0	9
Carroll	140,000	2,500	16.4	41
Crawford	147,000	1,300	13.1	17
Greene	125,000	700	14.3	10
Guthrie	106,000	700	10.0	7
Harrison	140,000	1,200	12.5	15
Ida	108,000	2,000	12.5	25
Monona	143,000	5,100	12.2	62
Sac	135,000	1,200	14.2	17
Shelby	152,000	3,700	11.1	41
Woodbury	186,000	5,200	11.2	58
WC District	1,626,000	26,000	12.5	325
Boone	119,000	1,400	12.9	18
Dallas	116,000	1,500	8.7	13
Grundy	142,000	2,100	11.0	23
Hamilton	137,000	600	11.7	7
Hardin	141,000	2,800	10.0	28
Jasper	147,000	3,400	11.2	38
Marshall	128,000	2,800	8.9	25
Polk	85,000	800	11.3	9
Poweshiek	111,000	13,700	6.8	93
Story	136,000	1,600	12.5	20
Tama	153,000	2,600	11.2	29
Webster	153,000	1,700	14.1	24
C District	1,570,000	35,000	9.3	327
Benton	165,000	8,200	8.9	73
Cedar	154,000	4,200	9.5	40
Clinton	182,000	12,800	8.3	106
Iowa	124,000	22,000	5.0	110
Jackson	96,000	21,000	7.0	146
Johnson	116,000	6,900	7.1	49
Jones	131,000	14,000	7.7	108
Linn	135,000	7,900	7.5	59
Muscatine	98,000	3,100	7.7	24
Scott	117,000	6,900	8.1	56
EC District	1,318,000	107,000	7.2	771
Adair	99,000	6,900	9.1	63
Adams	55,000	600	8.3	5
Cass	116,000	6,900	12.5	86
Fremont	93,000	800	13.8	11
Mills	84,000	600	11.7	7
Montgomery	79,000	600	11.7	7
Page	88,000	2,000	10.5	21
Pottawattamie	205,000	3,200	10.9	35
Taylor	60,000	3,400	7.9	27
SW District	879,000	25,000	10.5	262
Appanoose	30,000	6,300	8.4	53
Clarke	40,000	15,100	6.6	99
Decatur	39,000	17,500	6.6	115
Lucas	35,000	5,200	7.9	41
Madison	75,000	5,600	10.5	59
Marion	81,000	3,000	11.7	35
Monroe	34,000	7,000	6.7	47
Ringgold	55,000	8,700	7.6	66
Union	54,000	6,300	9.8	62
Warren	80,000	7,200	10.8	78
Wayne	52,000	7,100	6.8	48
SC District	575,000	89,000	7.9	703
Davis	44,000	3,500	7.4	26
Des Moines	76,000	2,900	9.0	26
Henry	84,000	1,900	8.4	16
Jefferson	68,000	7,500	8.0	60
Keokuk	113,000	5,400	5.6	30
Lee	80,000	8,500	5.4	46
Louisa	85,000	1,400	7.1	10
Mahaska	115,000	8,500	8.0	68
Van Buren	51,000	3,300	5.8	19
Wapello	51,000	5,300	8.1	43
Washington	127,000	5,800	5.9	34
SE District	894,000	54,000	7.0	378
State	11,300,000	550,000	9.0	4,950

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[1] Preliminary.

Iowa Soybeans
Acreage, Yield and Production, By County, 1987

County and District	Planted for all purposes Acres	Harvested for beans Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	119,000	117,900	42.4	4,995
Cherokee	92,800	92,400	44.0	4,063
Clay	122,000	121,500	42.2	5,133
Dickinson	72,100	71,500	41.0	2,928
Emmet	92,000	91,600	43.8	4,015
Lyon	102,000	101,400	42.0	4,255
O'Brien	124,000	123,400	43.5	5,371
Osceola	93,100	92,700	43.6	4,045
Palo Alto	124,000	123,400	44.8	5,530
Plymouth	121,000	120,200	43.5	5,230
Pocahontas	141,000	137,500	37.7	5,189
Sioux	118,000	117,500	44.6	5,236
NW District	1,321,000	1,311,000	42.7	55,990
Butler	86,000	85,700	44.5	3,816
Cerro Gordo	109,000	108,500	43.4	4,709
Floyd	100,000	99,700	43.2	4,310
Franklin	128,000	127,600	44.8	5,719
Hancock	125,000	124,300	43.0	5,351
Humboldt	100,000	99,700	45.2	4,506
Kossuth	254,000	253,000	45.3	11,469
Mitchell	78,600	78,300	42.8	3,355
Winnebago	90,400	90,100	39.4	3,550
Worth	80,000	79,700	42.6	3,399
Wright	156,000	154,400	44.4	6,852
NC District	1,307,000	1,301,000	43.8	57,036
Allamakee	3,600	3,600	43.1	155
Black Hawk	91,400	91,100	49.7	4,531
Bremer	58,600	58,400	44.3	2,589
Buchanan	64,000	63,600	48.1	3,060
Chickasaw	54,600	54,400	42.1	2,292
Clayton	4,600	4,600	47.0	216
Delaware	25,500	25,400	49.8	1,265
Dubuque	2,800	2,600	49.2	128
Fayette	75,000	74,600	46.7	3,483
Howard	66,800	66,500	43.0	2,861
Winneshiek	17,300	17,200	44.2	761
NE District	464,000	462,000	46.2	21,341
Audubon	63,700	63,500	45.6	2,895
Calhoun	141,000	140,400	47.0	6,593
Carroll	97,700	97,400	45.2	4,406
Crawford	84,400	82,800	41.6	3,442
Greene	135,000	133,300	48.0	6,404
Guthrie	65,600	65,300	44.7	2,916
Harrison	98,500	98,100	40.3	3,956
Ida	70,500	70,300	43.1	3,030
Monona	102,000	100,500	41.6	4,182
Sac	113,000	112,400	44.5	4,997
Shelby	83,500	83,200	44.1	3,667
Woodbury	84,100	83,800	40.1	3,362
WC District	1,139,000	1,131,000	44.1	49,850
Boone	110,000	109,600	46.3	5,073
Dallas	101,000	100,600	46.0	4,629
Grundy	117,000	116,600	49.8	5,805
Hamilton	119,000	118,600	42.8	5,076
Hardin	109,000	108,600	46.9	5,094
Jasper	109,000	107,100	46.8	5,008
Marshall	87,700	87,400	50.5	4,413
Polk	74,400	74,100	46.4	3,441
Poweshiek	79,900	79,600	47.2	3,757
Story	120,000	119,600	47.7	5,701
Tama	108,000	107,600	47.8	5,145
Webster	166,000	164,600	44.0	7,241
C District	1,301,000	1,294,000	46.7	60,383
Benton	125,000	124,400	48.2	6,002
Cedar	73,200	72,900	46.4	3,383
Clinton	68,000	67,700	45.2	3,061
Iowa	47,600	47,400	44.1	2,089
Jackson	8,100	8,100	46.7	378
Johnson	58,300	58,000	40.0	2,321
Jones	41,900	41,700	46.5	1,939
Linn	87,700	87,300	45.8	4,001
Muscatine	52,800	52,400	39.4	2,063
Scott	45,400	45,100	47.3	2,132
EC District	608,000	605,000	45.2	27,369
Adair	60,000	59,700	43.4	2,588
Adams	46,300	46,100	41.3	1,902
Cass	70,300	69,900	43.5	3,038
Fremont	106,000	103,700	39.9	4,138
Mills	96,200	95,600	38.2	3,648
Montgomery	74,600	74,100	37.1	2,746
Page	84,000	83,600	37.2	3,113
Pottawattam	157,000	155,900	41.0	6,390
Taylor	67,600	67,400	36.8	2,477
SW District	762,000	756,000	39.7	30,040
Appanoose	28,300	28,100	40.7	1,145
Clarke	28,600	27,900	37.4	1,044
Decatur	37,200	36,900	39.0	1,439
Lucas	25,400	25,200	38.8	978
Madison	54,600	53,900	42.8	2,306
Marion	54,200	53,800	43.8	2,358
Monroe	22,400	22,200	40.8	905
Ringgold	50,000	48,800	39.1	1,907
Union	32,900	32,700	43.9	1,435
Warren	50,800	50,200	42.6	2,141
Wayne	43,600	43,300	37.2	1,612
SC District	428,000	423,000	40.8	17,270
Davis	41,500	41,300	37.3	1,541
Des Moines	44,700	43,900	37.8	1,661
Henry	62,300	62,100	39.0	2,419
Jefferson	64,600	64,100	37.4	2,399
Keokuk	59,600	59,400	45.7	2,712
Lee	61,000	60,800	34.0	2,068
Louisa	53,700	53,500	34.3	1,836
Mahaska	76,800	76,500	44.1	3,376
Van Buren	43,300	43,200	36.5	1,576
Wapello	45,000	44,900	40.8	1,832
Washington	67,500	67,300	43.8	2,951
SE District	620,000	617,000	39.5	24,371
State	7,950,000	7,900,000	43.5	343,650

Iowa Soybeans
Acreage, Yield and Production, By County, 1988[1]

County and District	Planted for all purposes Acres	Harvested for beans Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	128,000	127,500	38.9	4,961
Cherokee	105,000	104,600	43.0	4,497
Clay	129,000	128,500	35.7	4,592
Dickinson	73,200	72,900	33.6	2,450
Emmet	93,800	93,400	35.0	3,272
Lyon	112,000	111,500	33.1	3,695
O'Brien	133,000	132,500	43.1	5,710
Osceola	100,000	99,600	37.5	3,739
Palo Alto	128,000	127,500	36.0	4,585
Plymouth	136,000	135,400	32.0	4,339
Pocahontas	149,000	148,300	36.6	5,423
Sioux	123,000	122,300	40.8	4,984
NW District	1,410,000	1,404,000	37.2	52,247
Butler	88,400	88,000	31.5	2,774
Cerro Gordo	97,500	97,000	34.1	3,307
Floyd	94,200	92,900	29.9	2,781
Franklin	122,000	121,100	33.7	4,084
Hancock	117,000	116,300	35.5	4,132
Humboldt	107,000	106,500	34.8	3,710
Kossuth	231,000	229,000	37.4	8,576
Mitchell	74,600	74,300	29.0	2,156
Winnebago	83,000	82,600	34.5	2,849
Worth	72,300	72,000	33.0	2,375
Wright	143,000	142,300	35.3	5,019
NC District	1,230,000	1,222,000	34.2	41,763
Allamakee	6,000	5,900	29.7	175
Black Hawk	85,200	84,700	27.4	2,319
Bremer	54,600	54,000	26.0	1,404
Buchanan	70,000	69,600	27.4	1,905
Chickasaw	63,700	63,000	25.0	1,577
Clayton	6,400	6,300	24.3	153
Delaware	28,100	27,500	26.0	716
Dubuque	5,300	5,200	26.9	140
Fayette	70,800	70,100	30.1	2,108
Howard	69,500	68,800	23.9	1,643
Winneshiek	20,400	19,900	25.6	510
NE District	480,000	475,000	26.6	12,650
Audubon	66,100	65,800	32.3	2,127
Calhoun	149,000	148,100	37.0	5,478
Carroll	117,000	116,500	37.4	4,352
Crawford	106,000	105,500	38.0	4,006
Greene	138,000	137,400	27.8	3,824
Guthrie	73,700	73,300	28.9	2,120
Harrison	119,000	118,500	29.0	3,436
Ida	73,300	73,000	39.4	2,876
Monona	111,000	110,500	32.0	3,531
Sac	119,000	118,500	39.3	4,659
Shelby	94,500	94,100	30.9	2,905
Woodbury	93,400	92,800	30.3	2,813
WC District	1,260,000	1,254,000	33.6	42,127
Boone	113,000	112,600	24.0	2,699
Dallas	103,000	102,600	24.6	2,528
Grundy	106,000	105,500	35.3	3,724
Hamilton	130,000	129,500	24.4	3,160
Hardin	109,300	108,900	26.7	2,910
Jasper	100,000	99,600	31.5	3,134
Marshall	82,800	82,200	27.5	2,263
Polk	77,200	76,900	25.7	1,974
Poweshiek	77,700	77,000	24.5	1,888
Story	121,000	120,400	24.1	2,898
Tama	101,000	99,600	34.7	3,461
Webster	169,000	168,200	27.9	4,695
C District	1,290,000	1,283,000	27.5	35,334
Benton	130,000	129,300	24.2	3,135
Cedar	72,000	71,400	34.5	2,466
Clinton	65,700	65,100	28.1	1,831
Iowa	49,900	48,700	22.3	1,085
Jackson	10,200	10,000	23.5	235
Johnson	55,600	55,000	26.6	1,461
Jones	44,100	43,200	23.6	1,018
Linn	85,200	84,700	22.5	1,902
Muscatine	54,700	54,500	28.0	1,525
Scott	42,600	42,100	35.9	1,511
EC District	610,000	604,000	26.8	16,169
Adair	67,800	67,500	28.6	1,930
Adams	42,000	41,800	22.7	948
Cass	84,200	83,800	28.8	2,412
Fremont	104,000	103,400	32.7	3,381
Mills	85,400	85,000	27.4	2,330
Montgomery	70,100	69,700	28.4	1,980
Page	90,300	89,700	22.5	2,022
Pottawattamie	164,000	163,100	27.5	4,482
Taylor	57,200	57,000	19.9	1,135
SW District	765,000	761,000	27.1	20,620
Appanoose	25,800	25,400	23.3	593
Clarke	25,000	24,900	25.8	643
Decatur	31,800	31,400	19.0	597
Lucas	22,600	22,400	28.3	635
Madison	53,900	53,600	24.6	1,320
Marion	57,400	57,100	33.7	1,923
Monroe	19,200	19,100	23.2	443
Ringgold	42,500	42,300	22.9	969
Union	33,800	33,300	23.1	768
Warren	52,000	51,700	30.1	1,555
Wayne	41,000	40,800	23.2	947
SC District	405,000	402,000	25.9	10,393
Davis	33,500	33,300	24.6	819
Des Moines	50,800	50,300	34.2	1,719
Henry	53,200	52,900	32.0	1,692
Jefferson	54,700	53,700	24.0	1,291
Keokuk	65,300	64,900	26.0	1,690
Lee	57,500	56,900	28.1	1,599
Louisa	54,300	54,000	26.6	1,439
Mahaska	79,900	79,400	28.9	2,295
Van Buren	37,700	37,400	24.4	913
Wapello	45,200	44,800	28.8	1,288
Washington	67,900	67,400	29.0	1,953
SE District	600,000	595,000	28.1	16,697
State	8,050,000	8,000,000	31.0	248,000

1 Preliminary

Iowa Agricultural Statistics

Iowa Oats

Acreage, Yield and Production, By County, 1988[1]

County and District	Planted for all purposes Acres	Harvested for grain Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	21,300	2,700	63.7	172
Cherokee	20,600	3,700	55.4	205
Clay	19,800	2,600	42.3	110
Dickinson	14,200	2,300	40.0	92
Emmet	12,300	900	46.7	42
Lyon	29,000	8,900	51.2	456
O'Brien	30,800	3,800	61.6	234
Osceola	19,900	3,200	57.8	185
Palo Alto	25,300	2,400	58.8	141
Plymouth	54,000	15,400	54.5	839
Pocahontas	23,400	1,900	56.3	107
Sioux	46,400	11,200	54.6	612
NW District	317,000	59,000	54.2	3,195
Butler	27,900	6,400	44.7	286
Cerro Gordo	30,200	3,900	51.8	202
Floyd	22,300	5,000	45.2	226
Franklin	35,000	2,900	47.2	137
Hancock	24,500	4,200	56.0	235
Humboldt	23,400	1,600	51.9	83
Kossuth	41,100	4,100	52.9	217
Mitchell	30,900	7,000	47.9	335
Winnebago	17,600	1,900	51.1	97
Worth	17,300	3,600	48.3	174
Wright	20,800	1,400	50.0	70
NC District	291,000	42,000	49.1	2,062
Allamakee	16,500	13,200	47.3	625
Black Hawk	21,000	3,000	42.3	127
Bremer	18,100	6,900	45.9	317
Buchanan	28,900	5,600	46.4	260
Chickasaw	24,500	7,800	43.6	340
Clayton	36,600	26,900	57.9	1,558
Delaware	27,000	15,500	48.1	745
Dubuque	29,700	21,000	48.2	1,013
Fayette	37,800	15,700	52.3	821
Howard	21,000	9,000	40.0	360
Winneshiek	32,900	21,400	46.6	998
NE District	294,000	146,000	49.1	7,164
Audubon	21,200	5,100	54.1	276
Calhoun	20,800	3,100	56.1	174
Carroll	18,300	7,300	53.4	390
Crawford	31,600	12,500	45.9	574
Greene	33,500	2,000	53.0	106
Guthrie	22,900	5,300	43.0	228
Harrison	19,400	4,000	47.0	188
Ida	21,500	5,400	57.0	308
Monona	29,100	5,000	40.8	204
Sac	29,000	6,500	59.1	384
Shelby	26,200	10,300	54.9	565
Woodbury	36,500	10,500	41.9	440
WC District	310,000	77,000	49.8	3,837
Boone	21,200	2,700	60.4	163
Dallas	15,100	2,200	56.8	125
Grundy	19,100	2,600	51.9	135
Hamilton	27,700	1,600	53.1	85
Hardin	23,900	1,800	45.0	81
Jasper	20,400	8,000	57.1	457
Marshall	18,900	2,700	51.1	138
Polk	23,000	1,600	55.0	88
Poweshiek	21,100	10,500	44.1	463
Story	25,200	1,900	57.4	109
Tama	20,000	5,600	43.4	243
Webster	29,400	2,800	56.1	157
C District	265,000	44,000	51.0	2,244
Benton	21,200	7,400	50.4	373
Cedar	22,000	4,500	47.6	214
Clinton	25,800	7,300	52.1	380
Iowa	26,500	7,800	41.2	321
Jackson	25,500	14,100	42.7	602
Johnson	15,000	7,400	46.6	345
Jones	22,800	8,600	42.0	361
Linn	21,300	8,000	45.6	365
Muscatine	11,900	4,600	49.8	229
Scott	19,000	3,300	53.0	175
EC District	211,000	73,000	46.1	3,365
Adair	16,000	8,700	39.4	343
Adams	14,600	4,900	33.1	162
Cass	23,800	4,400	43.2	190
Fremont	12,000	700	35.7	25
Mills	9,100	1,500	33.3	50
Montgomery	21,000	2,900	35.2	102
Page	12,800	3,700	37.6	139
Pottawattamie	29,600	6,600	42.3	279
Taylor	14,100	3,600	33.1	119
SW District	153,000	37,000	38.1	1,409
Appanoose	8,000	1,600	43.1	69
Clarke	9,200	5,300	34.2	181
Decatur	8,500	2,700	34.1	92
Lucas	6,800	2,500	38.0	95
Madison	13,300	3,700	47.0	174
Marion	16,000	4,200	53.8	226
Monroe	7,800	2,000	45.0	90
Ringgold	10,500	5,000	35.8	179
Union	12,100	4,900	42.0	206
Warren	11,200	2,700	48.1	130
Wayne	15,600	3,400	35.3	120
SC District	121,000	38,000	41.1	1,562
Davis	9,700	3,300	47.0	155
Des Moines	9,600	1,500	42.7	64
Henry	13,400	1,900	43.2	82
Jefferson	12,800	3,700	43.8	162
Keokuk	16,000	4,400	43.0	189
Lee	9,700	1,600	53.8	86
Louisa	10,500	1,700	47.6	81
Mahaska	22,100	6,100	53.4	326
Van Buren	6,000	2,700	44.8	121
Wapello	9,800	2,000	44.0	88
Washington	16,400	5,100	40.8	208
SE District	138,000	34,000	45.9	1,562
State	2,100,000	550,000	48.0	26,400

Iowa Agricultural Statistics

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[1] Preliminary

Iowa All Wheat
Acreage, Yield and Production, By County, 1988[1]

County and District	Planted for all purposes Acres	Harvested Acres	Yield per acre Bu.	Production Bu.
Buena Vista	*			
Cherokee	*			
Clay	*			
Dickinson	*			
Emmet	*			
Lyon	*			
O'Brien	*			
Osceola	350	100	27.0	2,700
Palo Alto	*			
Plymouth	300	200	28.0	5,600
Pocahontas	*			
Sioux	350	100	28.0	2,800
NW District	1,600	500	28.0	14,000
Butler	*			
Cerro Gordo	*			
Floyd	*			
Franklin	*			
Hancock	*			
Humboldt	*			
Kossuth	*			
Mitchell	700	200	20.0	4,000
Winnebago	*			
Worth	*			
Wright	*			
NC District	1,300	400	25.0	10,000
Allamakee	*			
Black Hawk	200	100	33.0	3,300
Bremer	*			
Buchanan	*			
Chickasaw	*			
Clayton	150	100	28.0	2,800
Delaware	200	150	32.7	4,900
Dubuque	250	200	26.0	5,200
Fayette	*			
Howard	*			
Winneshiek	*			
NE District	1,700	800	27.5	22,000
Audubon	*			
Calhoun	*			
Carroll	*			
Crawford	300	150	21.3	3,200
Greene	*			
Guthrie	600	350	21.4	7,500
Harrison	1,500	850	23.4	19,900
Ida	*			
Monona	2,200	1,100	21.9	24,100
Sac	*			
Shelby	*			
Woodbury	900	450	21.6	9,700
WC District	6,100	3,200	22.2	71,000
Boone	300	150	28.7	4,300
Dallas	*			
Grundy	*			
Hamilton	*			
Hardin	*			
Jasper	*			
Marshall	*			
Polk	250	100	32.0	3,200
Poweshiek	*			
Story	150	100	32.0	3,200
Tama	250	100	31.0	3,100
Webster	*			
C District	1,400	700	31.4	22,000
Benton	400	250	33.2	8,300
Cedar	*			
Clinton	950	450	36.0	16,200
Iowa	400	100	31.0	3,100
Jackson	1,100	600	29.0	17,400
Johnson	750	600	34.7	20,800
Jones	*			
Linn	800	400	29.0	11,600
Muscatine	900	450	35.1	15,800
Scott	200	100	40.0	4,000
EC District	6,000	3,100	32.9	102,000
Adair	200	100	25.0	2,500
Adams	1,000	500	29.0	14,500
Cass	1,000	600	27.7	16,600
Fremont	2,100	1,700	32.9	56,000
Mills	1,700	1,100	35.5	39,000
Montgomery	1,500	800	28.0	22,400
Page	2,500	1,700	33.5	57,000
Pottawattamie	1,700	1,100	27.3	30,000
Taylor	1,900	1,300	23.8	31,000
SW District	13,600	8,900	30.2	269,000
Appanoose	500	350	20.0	7,000
Clarke	250	200	18.0	3,600
Decatur	1,200	700	18.0	12,600
Lucas	250	100	19.0	1,900
Madison	200	150	19.3	2,900
Marion	550	450	24.4	11,000
Monroe	350	200	28.0	5,600
Ringgold	2,500	650	19.8	12,900
Union	1,300	500	18.0	9,000
Warren	400	150	18.0	2,700
Wayne	500	350	22.3	7,800
SC District	8,000	3,800	20.3	77,000
Davis	1,200	1,000	30.0	30,000
Des Moines	2,100	1,700	39.4	67,000
Henry	1,200	750	28.9	21,700
Jefferson	3,300	1,500	28.0	42,000
Keokuk	2,400	900	28.9	26,000
Lee	3,800	3,100	37.7	117,000
Louisa	1,400	700	35.1	24,600
Mahaska	200	150	34.0	5,100
Van Buren	3,000	2,500	34.4	86,000
Wapello	300	200	33.0	6,600
Washington	1,400	1,100	33.6	37,000
SE District	20,300	13,600	34.0	463,000
State	60,000	35,000	30.0	1,050,000

[1] Preliminary   * Less than 100 harvested acres not published.

Iowa Agricultural Statistics

Iowa All Hay: Acreage, Yield and Production, By County, 1988[1]

County and District	Harvested Acres	Yield per acre Tons	Production Tons
Buena Vista	12,900	2.55	32,900
Cherokee	23,000	2.76	63,500
Clay	14,000	2.51	35,100
Dickinson	10,400	2.34	24,300
Emmet	9,000	2.39	21,500
Lyon	23,400	2.61	61,100
O'Brien	15,700	2.52	39,500
Osceola	6,000	2.53	15,200
Palo Alto	14,500	2.60	37,700
Plymouth	44,600	2.37	105,900
Pocahontas	6,900	2.17	15,000
Sioux	28,600	2.70	77,300
NW District	209,000	2.53	529,000
Butler	25,300	2.40	60,600
Cerro Gordo	15,500	2.17	33,700
Floyd	19,900	2.51	50,000
Franklin	18,200	2.18	39,600
Hancock	21,000	2.55	53,600
Humboldt	6,100	2.16	13,200
Kossuth	21,200	2.16	45,700
Mitchell	21,000	2.19	46,000
Winnebago	10,100	2.06	20,800
Worth	9,500	2.16	20,500
Wright	8,200	2.35	19,300
NC District	176,000	2.29	403,000
Allamakee	103,000	2.67	274,500
Black Hawk	20,800	2.01	41,900
Bremer	37,000	2.38	88,200
Buchanan	35,300	2.01	70,800
Chickasaw	36,300	1.91	69,400
Clayton	116,000	2.59	300,700
Delaware	61,000	2.23	135,900
Dubuque	98,000	2.49	244,300
Fayette	70,200	2.26	158,900
Howard	35,400	1.90	67,300
Winneshiek	120,000	2.55	306,100
NE District	733,000	2.40	1,758,000
Audubon	24,900	2.08	51,900
Calhoun	10,000	2.66	26,600
Carroll	19,700	2.71	53,300
Crawford	41,100	2.55	104,600
Greene	11,700	2.16	25,300
Guthrie	30,100	1.91	57,400
Harrison	26,800	2.33	62,500
Ida	22,800	2.50	57,100
Monona	18,300	1.89	34,600
Sac	20,500	2.86	58,700
Shelby	37,500	2.74	102,900
Woodbury	37,600	2.00	75,100
WC District	301,000	2.36	710,000
Boone	13,100	1.95	25,600
Dallas	17,600	2.47	43,400
Grundy	15,800	2.54	40,100
Hamilton	6,600	2.29	15,100
Hardin	16,800	2.48	41,700
Jasper	40,100	2.55	102,100
Marshall	25,400	2.58	65,600
Polk	12,300	2.32	28,500
Poweshiek	48,900	2.28	111,300
Story	10,800	2.01	21,700
Tama	30,600	2.35	71,800
Webster	8,000	2.14	17,100
C District	246,000	2.37	584,000
Benton	37,900	2.14	81,200
Cedar	27,400	2.56	70,100
Clinton	38,100	2.53	96,500
Iowa	52,600	1.98	104,300
Jackson	99,000	2.28	225,300
Johnson	40,500	2.22	89,900
Jones	41,100	2.11	86,900
Linn	34,500	1.97	67,800
Muscatine	21,100	2.67	56,400
Scott	19,800	2.76	54,600
EC District	412,000	2.26	933,000
Adair	47,300	1.85	87,500
Adams	26,200	1.74	45,600
Cass	34,800	2.08	72,300
Fremont	11,200	2.27	25,400
Mills	12,400	2.23	27,700
Montgomery	19,600	2.33	45,700
Page	35,100	1.71	60,100
Pottawattamie	40,700	2.21	90,000
Taylor	33,700	1.47	49,700
SW District	261,000	1.93	504,000
Appanoose	67,500	1.35	91,300
Clarke	48,600	1.33	64,600
Decatur	54,200	1.25	67,800
Lucas	37,000	1.25	46,300
Madison	33,000	2.07	68,400
Marion	35,600	1.97	70,000
Monroe	43,500	1.47	64,100
Ringgold	58,600	1.27	74,400
Union	37,000	1.53	56,700
Warren	37,200	1.77	65,800
Wayne	59,800	1.28	76,600
SC District	512,000	1.46	746,000
Davis	46,600	1.41	65,500
Des Moines	17,300	2.01	34,700
Henry	17,700	1.71	30,200
Jefferson	40,000	1.62	64,700
Keokuk	39,000	1.38	53,900
Lee	32,200	1.93	62,200
Louisa	14,500	2.30	33,300
Mahaska	34,300	1.76	60,200
Van Buren	38,900	1.49	57,900
Wapello	36,700	1.69	62,100
Washington	32,800	2.08	68,300
SE District	350,000	1.69	593,000
State	3,200,000	2.11	6,760,000

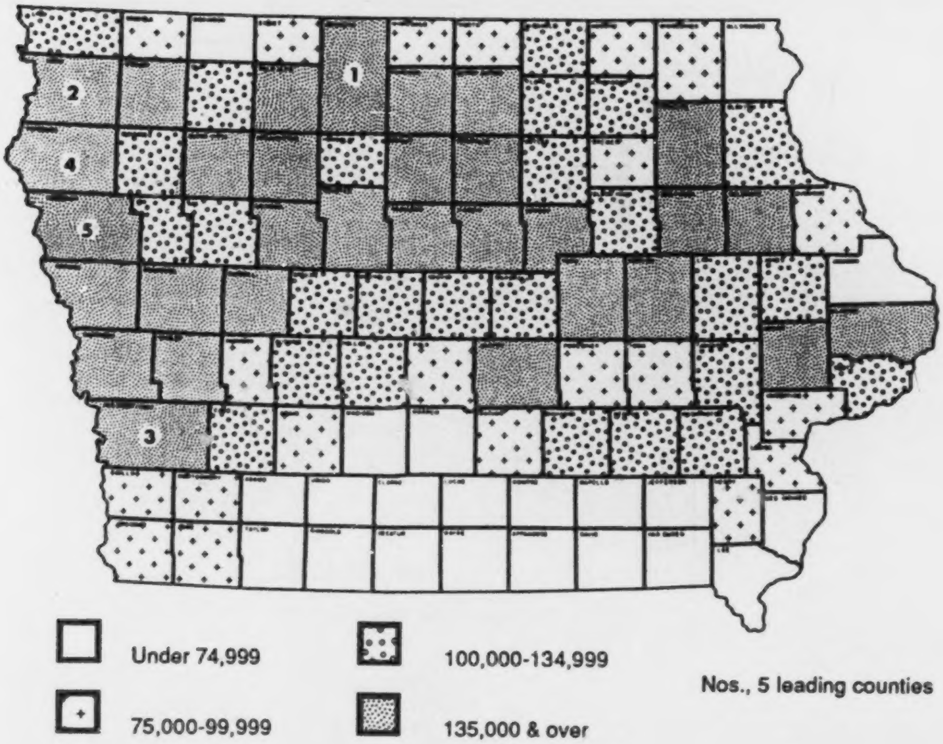
[1] Preliminary

Iowa Alfalfa Hay: Acreage, Yield and Production, By County, 1988[1]

County and District	Harvested Acres	Yield per acre Tons	Production Tons
Buena Vista	7,000	3.07	21,500
Cherokee	14,600	3.36	49,000
Clay	9,000	3.07	27,600
Dickinson	8,200	2.55	20,900
Emmet	6,000	2.68	16,100
Lyon	16,200	3.03	49,100
O'Brien	7,800	3.36	26,200
Osceola	3,900	3.08	12,000
Palo Alto	8,100	3.30	26,700
Plymouth	23,200	3.34	77,600
Pocahontas	3,900	2.38	9,300
Sioux	16,100	3.35	54,000
NW District	124,000	3.15	390,000
Butler	19,900	2.60	51,700
Cerro Gordo	10,400	2.55	26,500
Floyd	15,600	2.79	43,500
Franklin	11,900	2.55	30,300
Hancock	13,000	2.83	36,800
Humboldt	3,900	2.36	9,200
Kossuth	11,400	2.47	28,200
Mitchell	18,400	2.30	42,300
Winnebago	7,100	2.30	16,300
Worth	8,000	2.28	18,200
Wright	4,400	2.73	12,000
NC District	124,000	2.54	315,000
Allamakee	93,000	2.78	259,000
Black Hawk	15,600	2.25	35,100
Bremer	31,100	2.59	80,700
Buchanan	25,600	2.21	56,700
Chickasaw	27,600	2.15	59,400
Clayton	101,000	2.71	274,000
Delaware	53,400	2.36	126,000
Dubuque	89,000	2.58	230,000
Fayette	61,000	2.34	143,000
Howard	27,700	2.10	58,100
Winneshiek	108,000	2.67	288,000
NE District	633,000	2.54	1,610,000
Audubon	17,100	2.20	37,600
Calhoun	7,700	2.90	22,300
Carroll	14,400	2.96	42,600
Crawford	28,800	2.99	86,000
Greene	7,700	2.48	19,100
Guthrie	20,300	2.15	43,700
Harrison	19,400	2.63	51,000
Ida	14,000	3.17	44,400
Monona	10,000	2.49	24,900
Sac	16,200	3.17	51,400
Shelby	24,600	3.17	78,100
Woodbury	22,800	2.58	58,900
WC District	203,000	2.76	560,000
Boone	9,500	2.15	20,400
Dallas	12,400	2.77	34,400
Grundy	13,800	2.72	37,500
Hamilton	4,700	2.62	12,300
Hardin	13,100	2.71	35,500
Jasper	31,000	2.82	87,500
Marshall	22,400	2.76	61,800
Polk	8,400	2.61	21,900
Poweshiek	41,700	2.47	103,000
Story	8,000	2.23	17,800
Tama	25,600	2.57	65,700
Webster	5,400	2.26	12,200
C District	196,000	2.60	510,000
Benton	31,600	2.20	69,400
Cedar	19,900	2.87	57,200
Clinton	32,200	2.69	86,500
Iowa	45,100	2.10	94,700
Jackson	87,000	2.38	207,000
Johnson	31,600	2.35	74,400
Jones	35,000	2.22	77,800
Linn	27,500	2.09	57,400
Muscatine	17,700	2.84	50,300
Scott	16,400	3.01	49,300
EC District	344,000	2.40	824,000
Adair	35,300	2.12	74,900
Adams	17,000	1.92	32,600
Cass	22,900	2.21	50,500
Fremont	7,400	2.55	18,900
Mills	8,000	2.71	21,700
Montgomery	14,900	2.68	39,900
Page	18,500	2.14	39,600
Pottawattamie	28,900	2.48	71,800
Taylor	21,100	1.76	37,100
SW District	174,000	2.22	387,000
Appanoose	39,300	1.40	55,100
Clarke	35,100	1.46	51,100
Decatur	34,000	1.40	47,600
Lucas	22,300	1.40	31,300
Madison	28,700	2.22	63,800
Marion	27,600	2.11	58,100
Monroe	30,000	1.68	50,300
Ringgold	37,300	1.40	52,300
Union	23,000	1.63	37,600
Warren	33,100	1.82	60,300
Wayne	39,600	1.40	55,500
SC District	350,000	1.61	563,000
Davis	24,900	1.70	42,300
Des Moines	12,500	2.39	29,900
Henry	13,100	1.93	25,300
Jefferson	28,000	1.88	52,700
Keokuk	33,600	1.40	47,100
Lee	21,100	2.23	47,100
Louisa	11,500	2.51	28,900
Mahaska	24,100	2.04	49,100
Van Buren	27,200	1.63	44,400
Wapello	27,500	1.87	51,500
Washington	28,500	2.20	62,700
SE District	252,000	1.91	481,000
State	2,400,000	2.35	5,640,000

[1] Preliminary

Iowa Corn: Acres Harvested For Grain, 1988



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☐ Under 74,999
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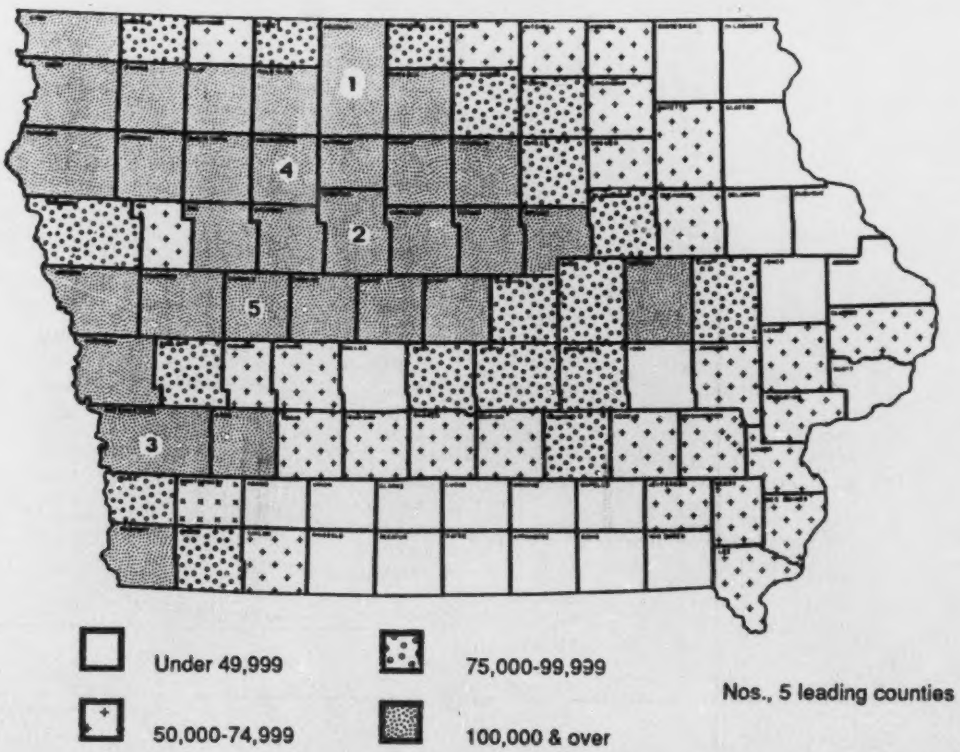
▨ 100,000-134,999
▨ 135,000 & over
Nos., 5 leading counties

Iowa Soybeans: Acres Harvested For Beans, 1988



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☐ Under 49,999
☐ 50,000-74,999
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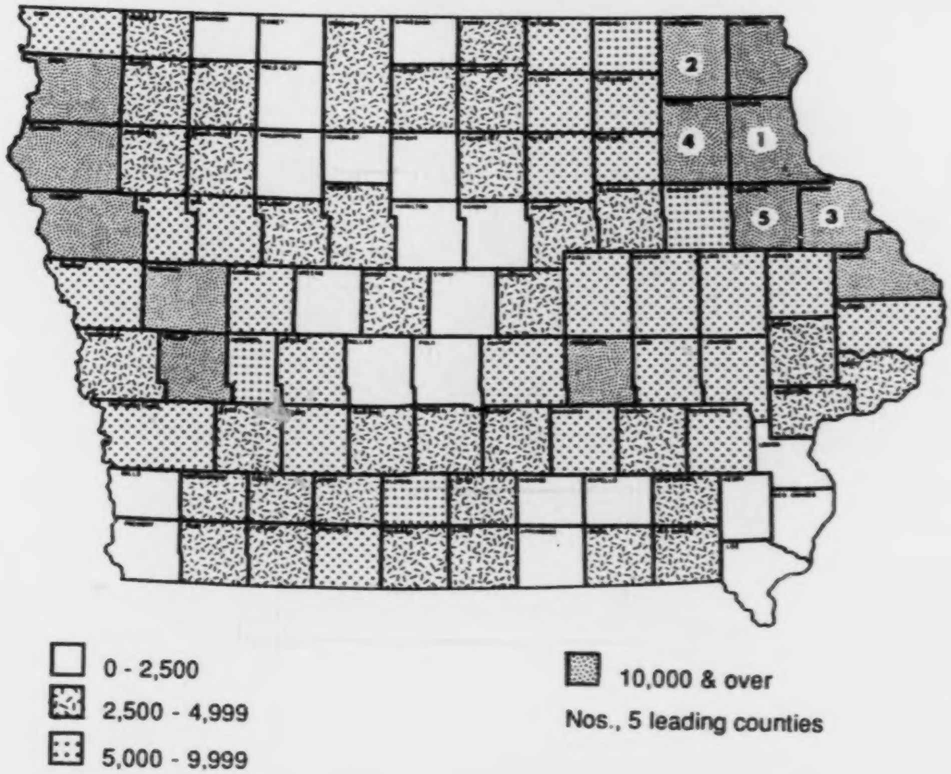
▨ 100,000 & over
Nos., 5 leading counties

Iowa Oats: Acres Harvested, 1988



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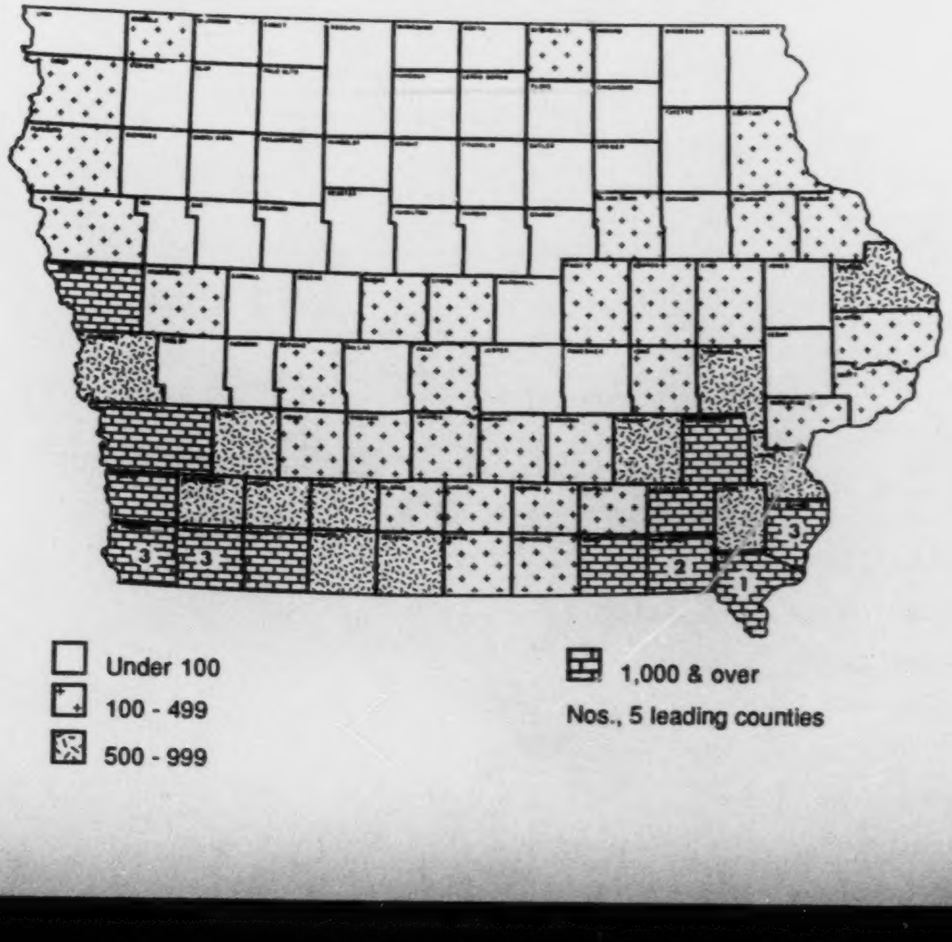
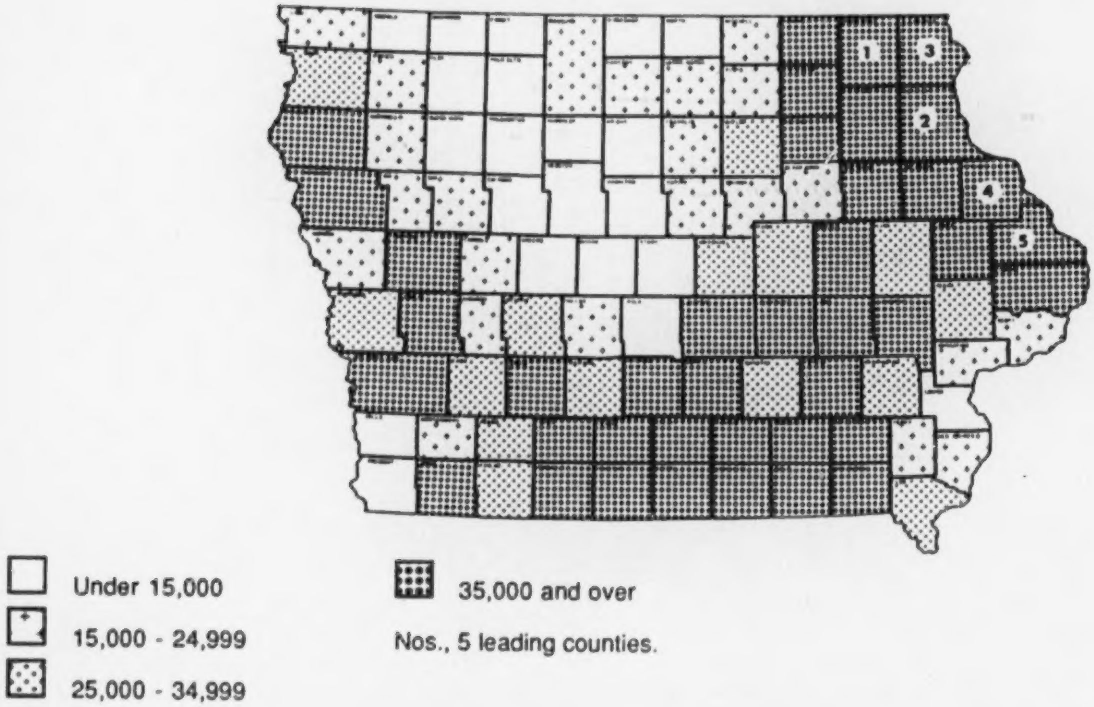
10,000 & over
Nos., 5 leading counties

Iowa Wheat: Acres Harvested For Grain, 1988

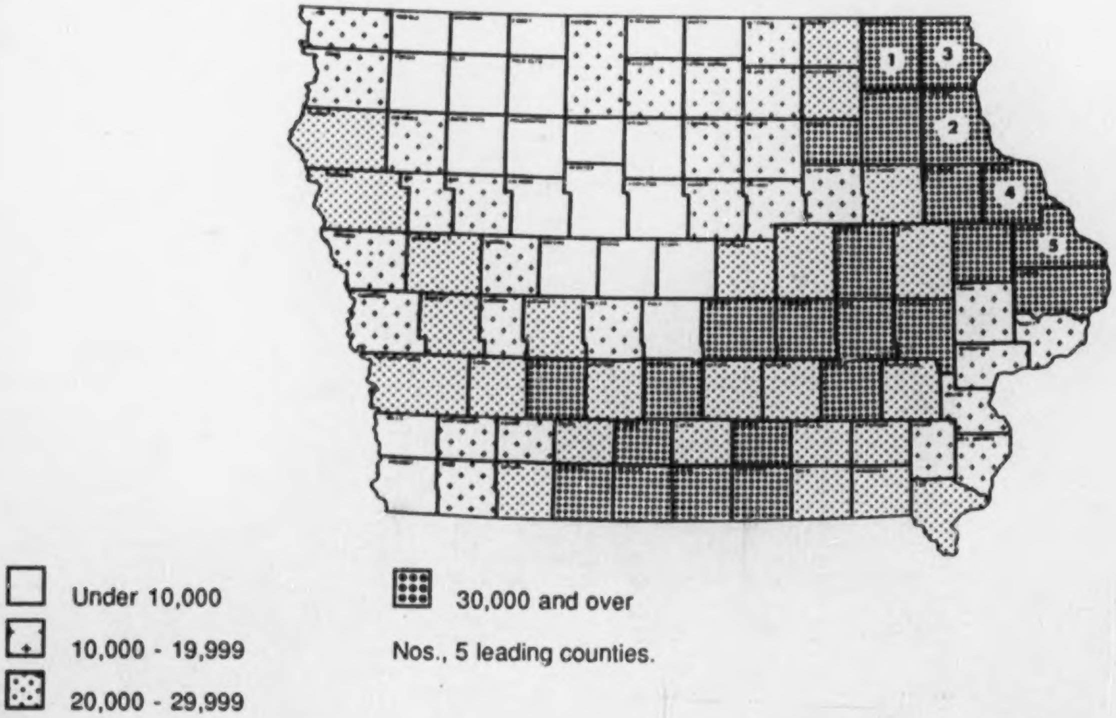


3
3
3
2
1
Under 100
100 - 499
500 - 999
1,000 & over
Nos., 5 leading counties

Iowa All Hay: Acres Harvested, 1988


1
3
2
4
5
☐ Under 15,000
⛶ 15,000 - 24,999
▒ 25,000 - 34,999
▦ 35,000 and over
Nos., 5 leading counties.

Iowa Alfalfa Hay: Acres Harvested, 1988


1
3
2
4
5
☐ Under 10,000
⛶ 10,000 - 19,999
▒ 20,000 - 29,999
▦ 30,000 and over
Nos., 5 leading counties.

Iowa Fertilizer Distribution

Fertilizer	July '87-Dec. '87	Jan. '88-June '88	July '88-Dec. '88
Most popular straight materials			
Anhydrous ammonia	140,007	503,517	168,241
Ammonium nitrate	7,542	23,446	8,452
Ammonium sulphate	2,036	7,866	3,486
Ammonium thiosulfate	1,131	6,721	2,422
Urea	56,755	118,121	69,803
Nitrogen solution 28%	122,756	356,896	137,410
Nitrogen solution 30%	---	4,500	280
Nitrogen solution 32%	42,830	105,764	48,265
Ammonium phosphates			
8 - 24 - 00 liquid	1,924	7,611	2,838
10 - 30 - 00 liquid	672	7,753	1,113
10 - 34 - 00 liquid	12,298	34,327	15,610
11 - 37 - 00 liquid	1,017	3,260	1,797
11 - 52 - 00 dry	37,488	44,245	48,152
18 - 46 - 00 dry	225,905	218,257	247,417
Triple superphosphate	34,974	19,103	32,341
Phosphoric acid	303	2,987	1,737
Muriate of potash	374,877	315,660	381,915
Other straight materials	20,232	21,598	14,655
Other straight materials w/micro	143	1,484	766
Total straight material	**1,082,890**	**1,803,116**	**1,186,700**
Most popular mixed grades & suspensions			
2 - 6 - 35 suspension	3,356	17,503	2,700
3 - 9 - 27 suspension	205	5,183	154
3 - 10 - 30 suspension	9,382	23,685	8,631
7 - 21 - 7 liquid	407	19,081	435
7 - 23 - 5 liquid	207	4,457	2
9 - 18 - 9 liquid	587	3,839	802
6 - 24 - 24 dry	2,314	14,930	3,480
8 - 32 - 16 dry	1,024	5,961	1,500
9 - 23 - 30 dry	1,002	3,968	628
10 - 20 - 20 dry	596	1,549	445
20 - 10 - 10 dry	245	2,918	180
Other mixed materials	27,172	87,510	22,332
Other mixed materials w/micro	3,522	13,452	3,954
Total mixed grades & suspensions	**50,019**	**204,036**	**45,241**
Grand totals	**1,132,909**	**2,007,152**	**1,231,942**
Dry fertilizer			
Straight materials	752,537	756,904	802,380
Mixed grades	21,579	69,257	21,179
Total dry fertilizer	**774,116**	**826,161**	**823,559**
Liquid fertilizer			
Straight materials	330,352	1,046,212	384,320
Mixed grades	8,399	63,448	7,768
Liquid suspensions	20,041	71,332	16,294
Total liquid fertilizer	**358,793**	**1,180,992**	**408,382**
Micro-nutrients			
Calcium	215	399	279
Magnesium	1	4	6
Sulfur	634	1,344	1,902
Boron	60	427	495
Copper	3	15	2
Iron	1	17	---
Manganese	9	13	13
Zinc	325	678	454
Gypsum	---	47	15
Mixed or other	357	1,309	601
Total micro-nutrients*	1,604	4,253	3,767

* Not included in grand total.

Corn for Grain: Harvesting and Handling Methods

CORN FOR GRAIN: PERCENT OF ACREAGE HARVESTED BY DESIGNATED METHODS IN IOWA BY DISTRICTS, 1984-1986, 1988[1]

District	Mechanical picker				Combine or field picker-sheller				Ground ear and other methods[2]			
	1984	1985	1986	1988	1984	1985	1986	1988	1984	1985	1986	1988
							Percent					
NW	15.6	13.4	15.1	11.3	82.9	85.2	83.2	88.1	1.5	1.4	1.7	0.6
NC	6.5	6.0	6.8	5.7	92.3	93.9	92.8	94.3	1.2	0.1	0.4	0.0
NE	7.2	6.3	6.2	5.7	92.3	93.1	93.0	93.5	0.5	0.6	0.8	0.8
WC	11.3	10.9	11.6	8.9	88.7	87.9	87.0	89.9	---	1.2	1.4	1.2
C	8.3	12.5	10.3	9.6	91.6	87.3	89.6	90.4	0.1	0.2	0.1	0.0
EC	11.1	12.6	8.2	8.5	88.1	86.7	90.6	89.9	0.8	0.7	1.2	1.5
SW	5.9	6.8	5.0	4.6	94.1	91.9	91.2	95.0	---	1.3	3.8	0.3
SC	5.0	4.4	3.0	2.5	95.0	95.6	97.0	97.3	---	0.0	0.0	0.2
SE	14.1	9.9	13.1	6.2	85.8	89.4	86.9	93.4	0.1	0.7	0.0	0.4
IOWA	9.8	9.7	9.4	7.6	89.6	89.5	89.6	91.8	0.6	0.8	1.0	0.6

CORN FOR GRAIN: HANDLING METHODS AT HARVEST, AS PERCENT OF TOTAL IOWA PRODUCTION, BY DISTRICTS, 1984-1986, 1988[1]

District	Marketed direct from field				Stored on farms								Stored by producer off farm			
					In silos				In cribs, bins, or piles							
	1984	1985	1986	1988	1984	1985	1986	1988	1984	1985	1986	1988	1984	1985	1986	1988
									Percent							
NW	12.4	10.0	5.8	14.7	10.0	4.7	7.2	4.5	68.6	69.3	78.5	69.1	9.0	16.0	8.5	11.7
NC	11.7	10.4	5.7	12.5	3.8	1.7	1.5	4.3	75.7	75.3	83.1	75.6	8.8	12.6	9.7	7.6
NE	17.3	11.4	6.9	9.9	6.3	5.7	7.8	8.8	69.2	70.7	74.4	72.9	7.2	12.2	10.9	8.4
WC	20.3	10.4	6.8	15.5	5.0	4.6	7.4	3.5	60.0	65.9	69.0	66.1	14.7	19.1	16.8	14.9
C	11.8	12.3	8.4	19.2	2.3	3.0	2.0	2.7	60.6	64.7	74.3	64.7	19.3	20.0	15.3	13.4
EC	20.2	11.8	10.4	13.1	3.7	8.4	6.5	7.5	68.4	71.9	72.6	74.4	7.7	7.9	10.5	5.0
SW	9.4	8.7	6.1	11.7	4.2	5.9	10.5	5.5	80.2	71.8	76.9	77.4	6.2	13.6	6.5	5.4
SC	28.9	23.8	6.7	15.4	7.3	8.2	2.9	5.6	59.5	53.3	67.5	70.0	4.3	14.7	22.9	9.0
SE	17.1	12.4	7.8	12.7	2.4	3.8	8.3	3.2	71.8	71.3	69.5	72.6	8.7	12.5	14.4	11.5
IOWA	15.7	11.6	7.2	14.2	4.9	4.8	5.8	4.8	68.8	69.0	74.7	70.6	10.6	14.6	12.3	10.4

CORN FOR GRAIN: DRYING OF CORN AS A PERCENT OF TOTAL IOWA PRODUCTION BY DISTRICTS, 1984-1986, 1988[1]

District	Naturally in field or storage				Artificially on farm				Artificially off farm[3]			
	1984	1985	1986	1988	1984	1985	1986	1988	1984	1985	1986	1988
							Percent					
NW	21.3	18.8	21.0	24.8	77.3	55.3	65.6	55.1	1.4	25.9	13.4	20.1
NC	8.0	7.3	8.4	17.0	91.7	73.9	79.0	69.4	0.3	18.8	12.6	13.6
NE	9.3	14.9	15.8	20.7	90.3	68.9	71.2	65.4	0.4	16.2	13.0	13.9
WC	23.1	17.9	21.3	25.7	76.9	55.0	56.9	50.3	---	27.1	21.8	24.0
C	9.4	11.3	9.7	13.5	90.0	62.4	68.6	62.6	0.6	26.3	21.7	23.9
EC	12.6	22.7	15.1	18.1	86.8	65.7	72.6	73.7	0.6	11.4	12.3	8.2
SW	12.3	21.4	19.5	27.1	87.5	65.9	67.6	60.5	0.2	12.9	12.9	12.3
SC	15.3	13.7	9.2	19.3	84.7	55.4	61.9	62.0	---	30.9	28.9	18.7
SE	11.4	11.0	16.4	14.9	88.4	69.5	63.8	69.1	0.2	19.5	19.8	16.0
IOWA	13.6	15.3	15.3	20.7	85.9	63.6	68.1	61.5	0.5	21.1	16.6	17.8

CORN FOR GRAIN: BY DRYING METHOD AS A PERCENT OF GRAIN DRIED ON FARM, BY DISTRICTS, 1984-1986, 1988[1]

District	Low heat				High heat				Both low and high heat			
	1984	1985	1986	1988	1984	1985	1986	1968	1984	1985	1986	1988
							Percent					
NW	17.8	14.5	14.7	29.9	58.8	60.3	63.8	47.5	23.4	25.2	21.5	22.6
NC	13.5	10.5	7.5	18.2	63.8	77.8	72.8	59.1	22.7	11.7	19.7	22.7
NE	13.2	8.4	11.3	11.2	61.9	70.5	72.0	68.3	24.9	21.1	16.7	20.5
WC	47.0	41.1	35.7	43.0	38.1	30.3	48.8	32.0	14.9	28.6	15.5	25.0
C	18.7	12.4	20.2	18.4	57.5	68.0	60.1	54.1	23.8	19.6	19.7	27.5
EC	21.4	12.5	12.7	16.5	58.1	60.8	63.3	62.5	20.5	26.7	24.0	21.0
SW	35.9	22.1	31.3	36.5	41.3	43.1	39.9	36.0	22.8	34.8	28.8	27.5
SC	27.8	26.3	21.7	37.1	39.1	44.2	53.3	32.6	33.1	29.5	25.0	30.3
SE	15.4	19.1	21.7	24.4	50.7	58.9	59.2	47.9	33.9	22.0	19.1	27.7
IOWA	22.4	17.9	18.8	26.3	54.3	58.7	60.8	49.4	23.3	23.4	20.4	24.3

[1] This survey was not conducted for 1987. [2] Other methods or unknown accounted for an insignificant portion of this total. [3] Prior to 1985, drying included only grain stored on farm. In 1985, questions were changed to include all corn dried on or off farm.

Principal Cropland Harvested in Iowa, 1986, 1988[1]

County and district	Acres harvested[2]	
	1986[3]	1988[4]
Buena Vista	283,150	281,120
Cherokee	248,730	258,310
Clay	264,150	265,110
Dickinson	165,550	163,590
Emmet	210,020	201,310
Lyon	285,060	276,820
O'Brien	296,830	293,010
Osceola	198,810	205,910
Palo Alto	299,680	286,430
Plymouth	388,820	390,630
Pocahontas	306,520	297,110
Sioux	371,020	378,350
NW District	3,318,350	3,297,700
Butler	277,480	255,620
Cerro Gordo	282,130	257,940
Floyd	254,030	231,860
Franklin	301,960	290,250
Hancock	303,720	279,510
Humboldt	222,820	221,210
Kossuth	528,880	490,990
Mitchell	220,760	211,610
Winnebago	216,160	194,630
Worth	201,140	177,120
Wright	306,320	293,710
NC District	3,115,400	2,904,450
Allamakee	173,400	191,180
Black Hawk	255,340	239,650
Bremer	203,080	198,960
Buchanan	264,480	260,600
Chickasaw	228,660	219,080
Clayton	276,960	281,840
Delaware	262,490	260,690
Dubuque	224,270	237,830
Fayette	316,730	324,100
Howard	222,650	207,970
Winneshiek	267,990	276,350
NE District	2,696,050	2,698,250
Audubon	212,260	195,760
Calhoun	312,160	305,110
Carroll	272,460	283,260
Crawford	290,260	306,160
Greene	279,210	276,040
Guthrie	230,160	214,960
Harrison	277,610	290,060
Ida	215,910	208,590
Monona	293,920	278,130
Sac	288,960	280,460
Shelby	291,520	293,870
Woodbury	331,820	327,300
WC District	3,296,250	3,259,700
Boone	247,810	247,060
Dallas	250,360	238,400
Grundy	277,620	265,010
Hamilton	268,440	274,410
Hardin	288,130	268,210
Jasper	316,010	294,250
Marshall	265,340	235,650
Polk	184,520	175,830
Poweshiek	262,660	241,990
Story	285,120	269,010
Tama	325,720	288,450
Webster	332,320	331,630
C District	3,304,050	3,129,900
Benton	352,300	339,650
Cedar	250,900	256,370
Clinton	303,550	289,950
Iowa	239,700	228,900
Jackson	198,400	219,500
Johnson	224,250	217,400
Jones	231,550	224,180
Linn	268,050	261,900
Muscatine	191,200	178,750
Scott	182,200	181,300
EC District	2,442,100	2,397,900
Adair	221,970	222,590
Adams	138,040	128,350
Cass	223,440	239,450
Fremont	223,040	209,950
Mills	203,440	183,950
Montgomery	177,840	171,950
Page	209,440	217,350
Pottawattamie	424,340	416,250
Taylor	189,350	155,560
SW District	2,010,900	1,945,400
Appanoose	116,130	124,490
Clarke	120,630	118,840
Decatur	149,930	127,240
Lucas	119,430	96,940
Madison	187,680	165,290
Marion	184,000	178,300
Monroe	109,930	98,340
Ringgold	185,830	161,390
Union	137,380	129,640
Warren	181,980	170,990
Wayne	183,630	155,790
SC District	1,676,550	1,527,250
Davis	150,170	127,690
Des Moines	151,610	146,780
Henry	164,320	156,440
Jefferson	179,760	166,880
Keokuk	218,760	221,380
Lee	179,770	173,580
Louisa	157,760	155,680
Mahaska	230,340	233,300
Van Buren	138,860	132,480
Wapello	128,950	134,370
Washington	236,050	232,670
SE District	1,936,350	1,881,450
State	23,796,000	23,042,000

[1] 1987 data not available. [2] All acres harvested for corn, soybeans, oats, hay, wheat, rye, and potatoes; does not include idle land, pasture, government set-aside, abandoned or plowed under, etc. [3] Revised. [4] Preliminary.

Iowa Grain Marketings: Percent of Crop Year Total, By Months

Month	All hay		Oats		Soybeans		Corn	
	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88
June	21	21						
July	9	9	45	44				
Aug.	8	9	14	12				
Sept.	6	5	5	8	4	8	8	10
Oct.	4	4	3	2	19	21	7	11
Nov.	4	5	1	1	10	10	8	7
Dec.	7	6	3	2	6	6	7	4
Jan.	12	12	4	5	11	11	8	9
Feb.	9	9	7	6	6	6	7	6
Mar.	12	12	4	6	7	9	8	8
Apr.	5	5	4	4	8	6	13	6
May	3	3	5	4	7	6	10	8
June			5	6	7	6	9	12
July					8	6	7	11
Aug.					7	5	8	8
Sept.								

Iowa Production, Disposition, And Value, Selected Crops

Crop year	Production	Used on farms where produced	Sold Quantity	Sold Percent	Market Avg. price per bushel[1]	Value of production	Value of sales
	1,000 bushels	1,000 bushels	1,000 bushels		Dollars	1,000 dollars	1,000 dollars
			Corn for Grain				
1987[2]	1,306,500	470,340	836,160	64	1.89	2,469,285	1,580,342
1988[3]	898,800	404,460	494,340	55	2.45	2,202,060	1,211,133
			Oats				
1987[2]	35,750	18,947	16,803	47	1.68	60,060	28,229
1988[3]	26,400	13,200	13,200	50	2.90	76,560	38,280
			Hay[4]				
1987[2]	6,703	5,966	737	11	43.00	288,229	31,691
1988[3]	6,760	5,476	1,284	19	76.50	517,140	98,226
			Soybeans				
1987[2]	343,650	3,382	340,268	99.0	5.97	2,051,591	2,031,400
1988[3]	248,000	3,451	244,549	98.6	7.50	1,860,000	1,834,118
			Wheat				
1987[2]	1,140	69	1,071	94	2.75	3,135	2,945
1988[3]	1,050	79	971	92	3.80	3,990	3,690

[1] Series changed from season average price to market average price. Market average price does not include any added or lost value from CCC forfeitures, nor does it include any value obtained from deficiency payments. [2] Revised. [3] Preliminary. [4] Production, utilization in 1,000 tons; season average price, dollars per ton.

LIVESTOCK

1988 Livestock Summary

IOWA

Iowa's cattle, hog, and sheep producers received $4.4 billion from marketings in 1988. This was down 4 percent from the $4.6 billion received in 1987. Cattle, hog and sheep cash receipts in 1988 from marketings and sale of farm slaughter were $2.0 billion, $2.42 billion, and $25.0 million, respectively. This compares to 1987 receipts of $1.92 billion for cattle $2.69 billion for hogs, and $26.0 million for sheep.

Cattle: Iowa producers had an estimated 4.75 million cattle and calves on farms as of January 1, 1989, up 2 percent from January 1, 1988. Cows and heifers that have calved totaled 1.575 million head, 5 percent above a year earlier. Of this total, 1.265 million head were beef cows, up 5 percent from last year, and 310,000 head were milk cows, up 4 percent from a year ago.

Heifers weighing 500 pounds or more, 905,000, were up 2 percent from the previous year. Of this total, 170,000 were beef cow replacements, 120,000 were milk cow replacements, and 615,000 were other heifers.

Steers weighing 500 pounds or more, 1.150 million head, were 5 percent above a year ago. An estimated 80,000 bulls weighing 500 pounds or more were on hand, same size as last year. Calves weighing 500 pounds or less totaled 1.040 million, down 4 percent from the last year. The estimated 1988 calf crop for Iowa is 1.540 million head, 3 percent above a year ago.

Hogs: Iowa continues to rank number one among the states in hog numbers. Hogs and pigs on hand December 1, 1988, totaled 13.9 million, or 25 percent of the nation's hogs.

The average value of hogs and pigs on hand December 1, 1988, was $66.50 per head, down $13.00 from the previous year. The total value of Iowa's December 1, 1988, hog inventory was $910.45 million compared to $1106.85 million a year earlier.

The state's pork producers farrowed 2.945 million sows during 1988 (December 1987 through November 1988), 95,000 more than during 1987. The average pigs saved per litter was 7.63, resulting in a pig crop of 22.5 million, about the same as the previous year.

Sheep: Sheep numbers in 1988 showed an increase from the 405,000 head on hand January 1, 1988, to 415,000 head on January 1, 1989. The inventory was valued at $34.7 million compared with $40.1 million January 1, 1988. An estimated 350,000 lambs were born during 1988, up from 330,000 the previous year..

The 525,000 sheep shorn in 1988 produced 3.701 million pounds of wool. This compares to 495,000 sheep shorn in 1987 and wool production of 3.424 million pounds. The wool was valued at $2.739 million, up from $1.833 million the past year due to a price increase of 19 cents per pound.

Milk Production: Iowa dairymen produced an estimated 3.766 billion pounds of milk during 1988, up 3 percent from 1987. There was an average of 307,000 milk cows on hand during 1988, up from the 302,000 a year earlier. The annual average milk produced per cow was 12,267 pounds up from the 12,066 pound average in 1987.

Red Meat Production: Slaughter plants in Iowa produced 5.93 billion pounds of red meat (beef, veal, pork, and mutton) during 1988. This was 10 percent above the previous year.

Beef production was down 9 percent from 1988, while pork production was up 17 percent from 1987 and up 34 percent from 1986. Mutton was up 13 percent from 1987 at 71.2 million pounds.

UNITED STATES

Total marketings of meat animals increased during 1988 as decreased cattle marketings were offset by larger hog and sheep marketings. With higher prices received for cattle, and increased marketings of hogs and sheep, total cash receipts rose to $45.97 billion, up 4 percent from 1987.

The percentage breakdown of contributions to total U.S. cash receipts from marketings of meat animals by species in 1988 were: cattle and calves, 79 percent; hogs and pigs, 20 percent; sheep and lambs, 1 percent.

Production of meat animals during 1988 totaled 63.2 billion pounds, up 3 percent from the 1987 production of 61.5 billion pounds. The value of meat animal production was $36.97 billion in 1988 compared with $35.57 billion in 1987.

Cattle and Calves: Cash receipts from marketings of cattle and calves increased during 1988, as higher prices more than offset a decrease in marketings. For 1988, cash receipts from the sale of cattle and calves totaled $36.3 billion compared with $33.4 billion in 1987.

All cattle and calf marketings during 1988 totaled 53.9 billion pounds, down 1 percent from 54.4 billion pounds in 1987. The U.S. annual average price for beef cattle at $66.60 per 100 pounds live weight was up 9 percent from 1987. The calf price for 1988, at $89.20, was up 14 percent.

Hogs and Pigs: Cash receipts for hogs and pigs were $9.2 billion during 1988, 10 percent below 1987. Marketings of 21.6 billion pounds during 1988 were 9 percent above 1987, while the U.S. annual average price per 100 pounds of live weight decreased 17 percent from $51.20 in 1987 to $42.30 in 1988.

Sheep and Lambs: Cash receipts from marketings of sheep and lambs in 1988 totaled $473 million, down 13 percent from 1987. The average price of sheep in 1988 was $25.60 per 100 pounds of live weight, down from $29.50 in 1987. Lamb prices decreased from $77.60 in 1987 to $69.10 in 1988.

Livestock: Number On Farms, By Class and Specie, January 1

Specie and Class	1984	1985	1986	1987	1988	1989[1]
	Thousand head					
IOWA						
All Cattle	5,900	5,600	4,950	4,650	4,650	4,750
Beef cows and heifers that have calved	1,417	1,305	1,190	1,182	1,201	1,265
Milk cows and heifers that have calved	358	345	360	308	299	310
Beef replacement heifers 500+ pounds	160	150	125	140	160	170
Milk replacement heifers 500+ pounds	135	130	145	125	128	120
Other heifers 500+ pounds	755	670	605	550	595	615
Steers 500+ pounds	1,500	1,425	1,170	1,065	1,098	1,150
Bulls 500+ pounds	79	75	75	70	80	80
Steers, heifers, and bulls under 500 pounds	1,496	1,500	1,280	1,210	1,089	1,040
All hogs[2]	15,000	14,200	13,500	12,600	14,100	13,900
Kept for breeding	1,820	1,730	1,650	1,585	1,700	1,600
Market hogs	13,180	12,470	11,850	11,015	12,400	12,300
Under 60 pounds	5,021	4,726	4,340	4,200	4,630	4,390
60-119 pounds	3,493	3,242	3,200	2,840	3,130	3,260
120-179 pounds	2,755	2,569	2,460	2,265	2,500	2,600
180 pounds and over	1,911	1,933	1,850	1,710	2,140	2,050
All sheep	425	360	350	375	405	415
Sheep and lambs on feed	105	80	70	65	70	65
Stock sheep	320	280	280	310	335	350
Ewe lambs	39	33	33	36	41	48
Wether and ram lambs	9	7	7	8	5	5
Ewes 1 year or older	260	230	230	255	277	285
Rams and wethers 1 year or older	12	10	10	11	12	12
All chickens[2,3]	10,200	9,700	8,100	7,700	8,400	10,100
All turkeys[4]	5,800	5,900	6,300	7,000	8,500	7,800
All mink (Females)	45.5	46.2	46.2	43.4	47.0	46.0
UNITED STATES						
All cattle	113,700	109,749	105,468	102,000	99,524	99,484
Beef cows and heifers that have calved	37,494	35,370	33,633	33,779	33,112	33,669
Milk cows and heifers that have calved	11,109	10,805	11,177	10,502	10,298	10,217
Beef replacement heifers 500+ pounds	6,183	5,542	5,149	5,164	5,227	5,505
Milk replacement heifers 500+ pounds	4,532	4,760	4,761	4,331	4,116	4,199
Other heifers 500+ pounds	7,851	8,056	8,090	7,561	7,805	7,627
Steers 500+ pounds	16,371	16,369	15,967	15,304	15,732	15,798
Bulls 500+ pounds	2,549	2,411	2,261	2,204	2,163	2,221
Steers, heifers, and bulls under 500 pounds	27,611	26,436	24,431	23,154	21,070	20,248
All hogs[2]	56,694	54,073	52,313	50,920	54,620	55,299
Kept for breeding	7,391	6,933	6,783	6,671	7,153	7,037
Market hogs	49,303	47,140	45,530	44,250	47,467	48,262
Under 60 pounds	19,028	18,071	17,l301	16,756	17,764	17,861
60-199 pounds	12,626	12,013	11,700	11,228	11,979	12,401
120-179 pounds	9,985	9,610	9,320	9,106	9,702	10,030
180 pounds and over	7,664	7,446	7,210	7,159	8,022	7,970
All sheep	11,487	10,443	9,983	10,334	10,784	10,802
Sheep and lambs on feed	1,718	1,596	1,492	1,508	1,644	1,613
Stock sheep	9,769	8,847	8,491	8,826	9,140	9,189
Ewe lambs	1,237	1,016	1,048	1,296	1,282	1,338
Wether and ram lambs	318	284	318	363	332	345
Ewes 1 year or older	7,874	7,233	6,817	6,847	7,192	7,173
Rams and wethers 1 year or older	340	314	310	320	335	333
All chickens[2,3]	364,880	374,008	368,548	369,131	377,727	355,489
All turkeys	171,321	185,282	185,352	207,216	240,389	242,023
All mink (Females)	1,115	1,115	1,115	1,077	1,198	1,200

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[1] Preliminary. [2] December 1, preceding year. [3] Excludes commercial broilers. [4] Turkeys placed September 1 through August 31.

STATE RANKINGS: LIVESTOCK
IOWA AND 10 LEADING STATES, 1989

Item	1	2	3	4	5	6	7	8	9	10	Iowa	
											Rank	% of U.S.
Livestock On Hand, January 1, 1989												
All cattle and calves	Tex.	Kans.	Neb.	Okla.	Iowa	Cal.	Mo.	Wis.	S.D.	Minn.	5	5
Milk cows that have calved	Wis.	Cal.	N.Y.	Minn.	Pa.	Ohio	Tex.	Mich.	Iowa	Mo.	9	3
Beef cows that have calved	Tex.	Mo.	Okla.	Neb.	S.D.	Kans.	Mont.	Iowa	Fla.	Ky.	8	4
All hogs - December 1988	Iowa	Ill.	Minn.	Ind.	Neb.	Mo.	N.C.	Ohio	S.D.	Kans.	1	25
All sheep and lambs	Tex.	Cal.	Wyo.	Colo.	S.D.	Mont.	N. M.	Utah	Oreg.	Iowa	10	4
Cattle and calves on feed	Tex.	Neb.	Kans.	Colo.	Iowa	Cal.	Ill.	Mn.	Okla.	Ariz.	5	6
Sheep and lambs on feed	Colo.	Tex.	Cal.	Oreg.	Wyo.	Kans.	S.D.	Iowa	Neb.	Ohio	8	4
All chickens - December 1988	Cal.	Ind.	Pa.	Ga.	Ohio	N.C.	Ark.	Tex.	Fla.	Ala.	12	3
Livestock Production in 1988												
Cattle and calf production	Tex.	Neb.	Kans.	Iowa	Cal.	Okla.	Colo.	S.D.	Minn.	Wis.	4	5
Fed cattle marketed	Neb.	Tex.	Kans.	Colo.	Iowa	Cal.	Okla.	Ill.	Idaho	S.D.	5	7
Hog production	Iowa	Ill.	Minn.	Ind.	Neb.	Mo.	N.C.	Ohio	S.D.	Kans.	1	25
Sheep production	Tex.	Cal.	Colo.	S.D.	Wyo.	Mont.	Iowa	Utah	Oreg.	Idaho	7	5
Turkey production	N.C.	Minn.	Cal.	Ark.	Mo.	Va.	Ind.	Iowa	S.C.	Pa.	8	4
Calf crop	Tex.	Mo.	Okla.	Wis.	Cal.	Neb.	S.D.	Iowa	Kans.	Mont.	8	4
Pig crop	Iowa	Ill.	Minn.	Ind.	Neb.	Mo.	N.C.	Ohio	S.D.	Kans.	1	24
Lamb crop	Tex.	Cal.	Wyo.	S.D.	Mont.	Utah	Colo.	Iowa	Oreg.	N.M.	8	5
Chickens sold	Cal.	Ark.	Pa.	Ga.	Ind.	N.C.	Ala.	Ohio	Tex.	Miss.	13	2
Turkeys raised	N.C.	Minn.	Cal.	Ark.	Mo.	VA.	Ind.	Pa.	Iowa	S.C.	9	3
Cattle slaughter	Kans.	Neb.	Tex.	Colo.	Iowa	Wis.	Ill.	Cal.	Minn.	Pa.	5	6
Hog slaughter	Iowa	Ill.	Mich.	Neb.	Va.	Minn.	Ind.	Mo.	S.D.	Ohio	1	28
Sheep slaughter	Colo.	Cal.	Iowa	Tex.	Kans.	Minn.	Ill.	Mich.	Wash.	N.M.	3	11
Egg production	Cal.	Ind.	Pa.	Ohio	Ga.	Ark.	N.C.	Tex.	Fla.	Ala.	12	3
Wool production	Tex.	Wyo.	Cal.	Colo.	Mont.	S.D.	Utah	N.M.	Iowa	Oreg.	9	4
Milk production	Wis.	Cal.	N.Y.	Minn.	Pa.	Mich.	Tex.	Ohio	Wash.	Iowa	10	3
American cheese	Wis.	Minn.	Cal.	Iowa	Idaho	N.Y.	Mo.	S.D.	N.D.	Utah	4	5
Total cheese	Wis.	Minn.	Cal.	N.Y.	Iowa	Pa.	Mo.	Idaho	S.D.	Vt.	5	5

[1] Tie between Iowa and California. [2] Tie between Iowa and South Dakota. [3] Tie between Iowa and Kansas. [4] Tie between Iowa and Colorado. [5] Tie between California and South Dakota. [6] Tie between Colorado and Oklahoma. [7] Tie between Nebraska and Wyoming.

Iowa Livestock: Record High and Low Numbers

Item	Unit	Record high		Record low		Year record started
		Quantity	Year	Quantity	Year	
Cattle						
Inventory January 1	Thou. hd.	7,800	1978	3,758	1928	1924
Calves born	Thou. hd.	2,180	1976	1,451	1927	1924
Beef cows January 1	Thou. hd.	1,928	1976	375	1939	1937
Milk cows January 1	Thou. hd.	1,544	1943	307	1988	1937
Grain fed cattle marketed	Thou. hd.	4,676	1968	1,425	1951	1949
Cattle on feed January 1	Thou. hd.	2,213	1969 & 1970	650	1987	1948
Cattle on feed April 1	Thou. hd.	2,291	1969	640	1986	1948
Cattle on feed July 1	Thou. hd.	1,935	1969	440	1948	1948
Cattle on feed October 1	Thou. hd.	1,633	1969 & 1970	469	1949	1948
Hogs						
Inventory December 1	Thou. hd.	16,300	1981	2,500	1868	1867
Spring sows farrowed (Dec-May)	Thou. hd.	2,454	1943	1,130	1935	1924
Fall sows farrowed (June-Nov)	Thou. hd.	1,620	1979 & 1981	312	1934	1924
Pigs saved Spring (Dec-May)	Thou. hd.	15,117	1943	6,712	1935	1924
Pigs saved Fall (June-Nov)	Thou. hd.	12,069	1981	1,760	1934	1924
Marketings	Thou. hd.	23,409	1980	7,366	1935	1924
Sheep						
Inventory January 1	Thou. hd.	1,975	1942	350	1986	1924
Lamb crop	Thou. hd.	1,127	1942	259	1978	1924
Marketings	Thou. hd.	2,062	1943	222	1979	1924
Chickens						
Inventory December 1	Thou. hd.	43,149	1944	7,700	1986	1924
Hens and pullets of laying age December 1	Thou. hd.	18,610	1965	6,000	1986	1965
Egg production total for year	Mil. eggs	5,084	1958	1,441	1986	1924
Turkeys						
Raised	Thou. hd.	9,836	1961	123	1929	1929

IOWA HOGS AND PIGS

Number On Farms, Market By Weight Groups, Breeding And Total

Month and year	Market Hogs and Pigs: Under 60 lbs.	60-119 lbs.	120-179 lbs.	180 lbs. and over	Total	For breeding	Tota
	Thousand head						
March 1							
1978	4,157	2,702	2,771	1,916	11,546	2,054	13,600
1984	3,795	2,783	2,762	2,140	11,480	1,770	13,250
1985	4,076	2,749	2,610	2,025	11,460	1,740	13,200
1986	3,925	2,570	2,530	2,000	11,025	1,575	12,600
1987	3,875	2,410	2,410	1,885	10,580	1,720	12,300
1988[1]	4,300	2,750	2,530	2,120	11,700	1,800	13,500
June 1							
1978	5,347	2,925	2,144	1,654	12,070	2,130	14,200
1984	5,090	3,127	2,133	1,770	12,120	1,880	14,000
1985	5,020	3,090	2,190	1,850	12,150	1,750	13,900
1986[2]	4,445	2,680	1,985	1,570	10,680	1,520	12,200
1987	5,300	2,870	2,060	1,540	11,770	1,730	13,500
1988[1]	5,430	3,080	2,290	1,770	12,570	1,730	14,300
September 1							
1978	5,042	3,256	2,521	1,850	12,669	2,131	14,800
1984	4,954	3,207	2,920	1,956	13,037	1,863	14,900
1985	4,755	2,980	2,615	1,800	12,150	1,750	13,900
1986[2]	4,500	2,705	2,310	1,635	11,150	1,550	12,700
1987	4,800	3,215	2,685	1,900	12,600	1,700	14,300
1988[1]	4,505	3,415	2,850	2,060	12,830	1,670	14,500
December 1							
1978	5,115	3,500	2,424	1,781	12,820	2,280	15,100
1984	4,726	3,242	2,569	1,933	12,470	1,730	14,200
1985	4,340	3,200	2,460	1,850	11,850	1,650	13,500
1986	4,200	2,840	2,265	1,710	11,015	1,585	12,600
1987[2]	4,630	3,130	2,500	2,140	12,400	1,700	14,100
1988[1]	4,390	3,260	2,600	2,050	12,300	1,600	13,900

[1] Preliminary. [2] Revised.

Inventory, Supply And Disposition

Year	Inventory Prev. December 1	Pig Crop: Dec.-May	June-Nov.	Inshipments	Marketings	Farm Slaughter	Deaths
	Thousand head						
IOWA							
1978	14,500	10,218	10,654	1,650	19,822	50	2,050
1984	15,000	10,446	11,210	1,100	22,286	20	1,250
1985	14,200	10,990	10,899	1,400	22,814	25	1,150
1986[2]	13,500	9,935	10,451	1,100	21,350	14	1,022
1987[2]	12,600	10,952	11,430	1,150	20,867	15	1,150
1988[1]	14,100	11,628	10,839	1,050	22,505	12	1,200
U.S.							
1978	56,539	42,481	46,031	4,714	81,271	1,086	7,052
1984	56,694	42,403	44,183	3,527	87,344	473	4,917
1985	54,073	42,545	43,484	3,696	86,694	446	4,345
1986[2]	52,313	40,392	41,997	3,477	82,738	358	4,133
1987[2]	50,920	43,356	44,991	3,746	83,857	328	4,208
1988[1]	54,620	46,834	45,732	3,676	90,476	341	4,746

[1] Preliminary. [2] Revised.

PIG CROP: SOWS FARROWED AND PIGS SAVED, IOWA AND 10 STATES

Spring Pigs

Year	Sows Farrowed			Pigs per Litter			Pigs Saved		
	Dec[1]-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May
	Thousand head			Head			Thousand head		
IOWA									
1978	600	840	1,440	6.95	7.20	7.10	4,170	6,048	10,218
1984	600	810	1,410	7.15	7.60	7.41	4,290	6,156	10,446
1985	620	810	1,430	7.60	7.75	7.69	4,712	6,278	10,990
1986	590	690	1,280	7.60	7.90	7.76	4,484	5,451	9,935
1987	590	790	1,380	7.85	8.00	7.94	4,632	6,320	10,952
1988[2]	665	830	1,495	7.75	7.80	7.78	5,154	6,474	11,628
10 STATES[3]									
1978	2,035	2,530	4,565	6.85	7.21	7.05	13,937	18,242	32,179
1984	1,964	2,481	4,445	7.27	7.58	7.45	14,288	18,814	33,102
1985	1,955	2,420	4,375	7.51	7.75	7.65	14,690	18,762	33,452
1986	1,863	2,171	4,034	7.65	7.81	7.74	14,254	16,957	31,211
1987[4]	1,924	2,364	4,288	7.77	7.83	7.80	14,920	18,704	33,624
1988[2]	2,123	2,578	4,701	7.77	7.83	7.80	16,489	20,175	36,664

Fall Pigs

Year	Sows Farrowed			Pigs per Litter			Pigs Saved		
	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov
	Thousand head			Head			Thousand head		
IOWA									
1978	710	770	1,480	7.25	7.15	7.20	5,148	5,506	10,654
1984	725	760	1,485	7.60	7.50	7.55	5,510	5,700	11,210
1985	700	730	1,430	7.80	7.45	7.62	5,460	5,439	10,899
1986	650	690	1,340	7.85	7.75	7.80	5,103	5,348	10,451
1987	730	740	1,470	7.75	7.80	7.78	5,658	5,772	11,430
1988[2]	730	720	1,450	7.45	7.50	7.48	5,439	5,400	10,839
10 STATES									
1978	2,342	2,477	4,819	7.20	7.16	7.18	16,854	17,723	34,577
1984	2,259	2,316	4,575	7.60	7.52	7.56	17,158	17,420	34,578
1985	2,191	2,265	4,456	7.73	7.62	7.67	16,941	17,255	34,196
1986	2,074	2,115	4,189	7.79	7.78	7.79	16,164	16,460	32,624
1987[4]	2,248	2,266	4,514	7.75	7.75	7.81	17,692	17,572	35,264
1988[2]	2,359	2,261	4,620	7.63	7.61	7.62	18,007	17,216	35,223

[1]Previous year. [2]Preliminary. [3]GA, ILL, IND, IA, KAN, MINN, MO, NEB, N.C., OHIO. [4]Revised.

Iowa Hog And Pig Production And Income

Year	Production	Marketings	Average price per 100 lbs	Value of production	Cash receipts	Value of home consumption	Gross Income
	Thousand pounds		Dollars	Thousand dollars			
IOWA							
1978	4,935,147	4,854,315	47.00	2,295,099	2,284,333	36,660	2,320,993
1984	5,372,752	5,507,322	46.80	2,492,895	2,580,883	7,961	2,588,844
1985	5,457,689	5,591,759	44.20	2,385,339	2,474,317	10,564	2,484,881
1986[1]	5,139,316	5,306,668	49.50	2,522,531	2,629,449	5,177	2,634,626
1987[1]	5,320,800	5,170,785	51.90	2,732,165	2,689,664	5,815	2,695,479
1988[2]	5,500,958	5,580,244	43.20	2,356,126	2,415,557	3,872	2,419,429
U.S.							
1978	19,466,200	18,589,486	46.60	9,065,998	8,753,229	285,238	9,038,467
1984	20,195,699	20,490,921	47.10	9,498,230	9,703,385	115,087	9,818,472
1985	20,164,269	20,360,970	44.00	8,871,310	9,029,467	98,823	9,128,290
1986[1]	19,415,403	19,578,536	49.30	9,555,767	9,716,044	89,401	9,805,445
1987[1]	20,408,228	19,943,130	51.20	10,424,257	10,288,463	87,264	10,375,727
1988[2]	21,630,015	21,642,574	42.30	9,128,050	9,213,630	79,036	9,292,666

[1]Revised. [2]Preliminary.

HOG SLAUGHTER, BY MONTHS, IOWA AND U.S.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
						Thousand head							
IOWA													
1978	1,482	1,471	1,769	1,600	1,656	1,490	1,394	1,623	1,684	1,779	1,918	1,678	19,545
1983	1,593	1,411	1,866	1,815	1,759	1,622	1,528	1,710	1,861	2,046	2,232	1,985	21,428
1984	1,848	1,757	2,007	1,780	1,747	1,573	1,350	1,472	1,619	2,034	1,968	1,732	20,886
1985	1,841	1,589	1,807	1,850	1,851	1,525	1,519	1,713	1,842	2,058	1,839	1,662	21,096
1986	1,753	1,484	1,613	1,630	1,565	1,412	1,416	1,432	1,494	1,680	1,578	1,655	18,711
1987	1,887	1,594	1,769	1,759	1,679	1,575	1,530	1,580	1,812	2,024	1,951	2,104	21,262
1988[2]	1,974	1,881	2,152	2,030	1,918	1,953	1,771	1,995	2,211	2,371	2,352	2,286	24,893
U.S.													
1978	6,243	6,092	7,070	6,458	6,557	6,027	5,631	6,481	6,441	6,841	7,042	6,434	77,315
1983	6,664	5,964	7,583	7,298	7,118	7,251	6,562	7,311	7,500	8,086	8,436	7,812	87,584
1984	7,193	6,811	7,802	7,161	7,367	6,595	6,007	6,846	6,643	8,152	7,597	6,994	85,168
1985	7,342	6,396	7,134	7,383	7,567	6,394	6,600	7,016	6,940	7,787	7,033	6,900	84,492
1986	7,185	6,337	6,857	7,352	6,888	6,076	6,098	5,972	6,504	7,279	6,255	6,796	79,598
1987	6,918	6,055	6,967	6,667	6,084	6,161	6,189	6,180	7,027	7,700	7,321	7,813	81,081
1988[2]	6,981	6,687	7,692	7,091	6,884	6,902	6,366	7,292	7,719	8,096	8,138	7,946	87,795

Average Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
						Pounds							
IOWA													
1978	242	235	236	242	248	254	247	244	243	245	253	253	245
1983	247	241	242	244	248	249	246	243	239	243	246	244	244
1984	242	242	242	244	249	249	246	243	241	244	246	245	244
1985	245	241	243	248	249	250	246	244	247	250	253	250	247
1986	251	248	248	249	249	249	247	247	249	253	254	258	250
1987	256	253	248	249	251	251	247	246	249	252	256	254	251
1988[2]	251	249	250	251	253	253	250	247	249	252	254	254	251
U.S.													
1978	236	233	234	237	241	244	241	239	239	243	247	247	240
1983	244	240	241	242	245	246	244	241	240	243	246	243	243
1984	242	241	241	242	245	247	244	242	242	244	246	245	243
1985	245	242	242	245	247	247	244	242	242	246	248	246	245
1986	246	243	244	245	245	245	245	243	245	248	250	251	246
1987	251	248	246	246	247	248	245	244	246	248	251	249	247
1988[2]	248	247	247	249	250	250	249	246	247	250	252	251	249

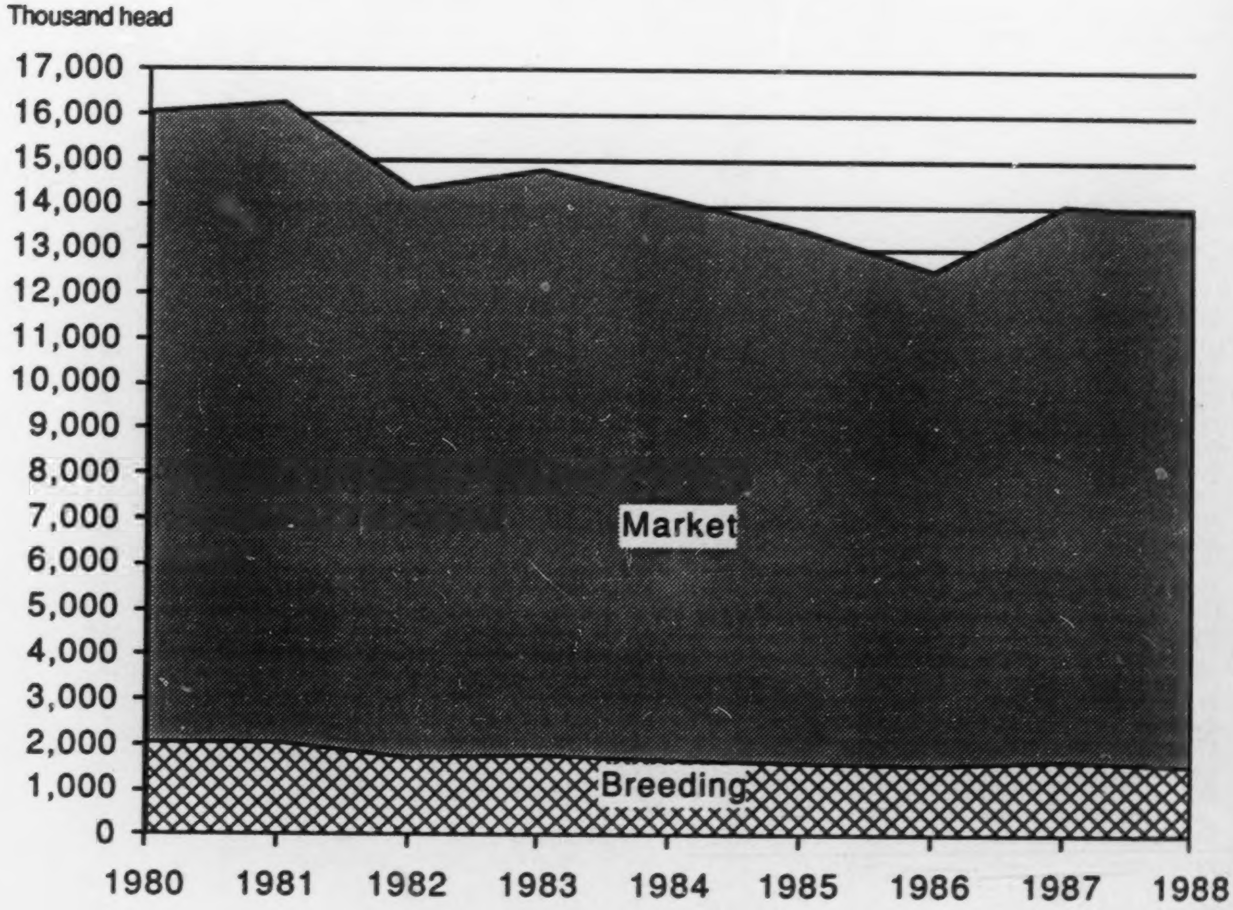
Total Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
						Million pounds							
IOWA													
1978	359	346	418	386	411	378	344	396	409	436	486	424	4,793
1983	393	340	452	443	436	403	375	415	445	498	549	485	5,235
1984	447	425	485	434	434	392	333	357	391	497	484	425	5,102
1985	450	382	440	459	461	381	374	418	455	516	465	415	5,216
1986	439	367	401	407	390	352	350	354	372	425	401	428	4,685
1987	482	403	439	438	422	395	378	389	450	510	499	533	5,340
1988[2]	496	469	538	510	486	495	443	493	552	598	597	581	6,257
U.S.													
1978	1,472	1,421	1,653	1,532	1,578	1,468	1,357	1,546	1,537	1,659	1,742	1,590	18,555
1983	1,625	1,433	1,826	1,769	1,744	1,784	1,100	1,763	1,800	1,965	2,074	1,902	21,285
1984	1,739	1,641	1,879	1,734	1,801	1,628	1,467	1,657	1,606	1,989	1,868	1,716	20,728
1985	1,795	1,546	1,726	1,808	1,866	1,580	1,613	1,700	1,677	1,914	1,742	1,700	20,667
1986	1,766	1,542	1,670	1,802	1,691	1,489	1,491	1,452	1,593	1,802	1,561	1,706	19,565
1987	1,733	1,499	1,711	1,641	1,500	1,525	1,519	1,508	1,726	1,910	1,841	1,947	20,060
1988[2]	1,728	1,650	1,898	1,763	1,721	1,724	1,583	1,795	1,908	2,025	2,054	1,991	21,838

[1] Totals may be different due to rounding. [2] Preliminary.

IOWA HOGS AND PIGS

Inventory On Farms December 1



December 1 Inventory

Year	Breeding	Market	Total
1980	2,095	14,005	16,100
1981	2,061	14,239	16,300
1982	1,786	12,614	14,400
1983	1,820	12,980	14,800
1984	1,730	12,470	14,200
1985	1,650	11,850	13,500
1986	1,585	11,015	12,600
1987[1]	1,700	12,400	14,100
1988[2]	1,600	12,300	13,900

[1] Revised. [2] Preliminary.

Iowa Hogs: Farm Inventory, Sows Farrowed, And Marketings, By County, 1988[1]

County and District	Hogs and pigs on farms	Total sows farrowed and pigs saved		Hogs mktd.
		Sows	Pigs	
	1000 head			
Buena Vista	211	49.5	383	350
Cherokee	186	37.3	298	288
Clay	114	26.8	207	187
Dickinson	65	14.9	114	103
Emmet	60	10.4	83	92
Lyon	207	37.2	292	365
O'Brien	220	33.9	266	370
Osceola	111	16.2	128	170
Palo Alto	117	23.8	180	199
Plymouth	348	70.5	548	582
Pocahontas	118	24.7	189	206
Sioux	493	68.8	543	848
NW District	2,250	414.0	3,230	3,760
Butler	215	44.9	339	353
Cerro Gordo	129	27.5	206	235
Floyd	113	20.8	168	202
Franklin	186	36.3	280	340
Hancock	169	34.2	264	254
Humboldt	109	19.7	159	169
Kossuth	234	48.6	380	391
Mitchell	162	32.9	259	250
Winnebago	79	18.3	130	130
Worth	74	13.6	98	112
Wright	83	18.2	139	143
NC District	1,553	315.0	2,421	2,579
Allamakee	115	25.4	189	174
Black Hawk	181	29.7	231	254
Bremer	104	17.7	134	165
Buchanan	216	49.6	388	369
Chickasaw	131	28.4	214	242
Clayton	310	61.0	478	457
Delaware	462	79.4	608	689
Dubuque	333	63.8	499	477
Fayette	214	42.7	327	376
Howard	109	21.5	162	155
Winneshiek	205	40.8	299	304
NE District	2,380	460.0	3,529	3,662
Audubon	140	36.1	273	240
Calhoun	110	22.7	176	193
Carroll	277	57.1	426	490
Crawford	184	42.2	321	279
Greene	92	19.8	153	162
Guthrie	92	19.4	149	152
Harrison	65	15.0	113	125
Ida	97	21.0	156	159
Monona	65	14.4	107	100
Sac	237	47.6	360	384
Shelby	174	32.7	248	283
Woodbury	166	40.0	304	255
WC District	1,699	368.0	2,785	2,822
Boone	102	20.1	158	173
Dallas	71	16.6	119	114
Grundy	161	29.7	233	274
Hamilton	196	37.1	279	282
Hardin	215	42.6	338	387
Jasper	236	45.1	334	353
Marshall	119	26.6	206	195
Polk	44	10.0	75	68
Poweshiek	119	28.2	209	197
Story	112	21.1	164	206
Tama	150	33.4	249	254
Webster	107	19.5	153	175
C District	1,632	330.0	2,517	2,678
Benton	188	38.7	290	274
Cedar	225	52.4	389	356
Clinton	178	39.5	294	247
Iowa	164	44.8	341	245
Jackson	149	34.2	256	223
Johnson	210	56.9	428	350
Jones	221	54.3	390	367
Linn	139	29.6	214	213
Muscatine	104	26.3	199	155
Scott	143	31.3	232	200
EC District	1,721	408.0	3,033	2,630
Adair	95	26.1	196	150
Adams	63	13.3	103	89
Cass	95	22.4	166	164
Fremont	53	11.5	89	84
Mills	43	12.0	88	75
Montgomery	68	17.6	130	95
Page	87	23.3	182	139
Pottawattam	147	31.4	249	237
Taylor	69	18.4	132	102
SW District	720	176.0	1,335	1,135
Appanoose	16	5.1	38	31
Clarke	42	11.0	83	74
Decatur	47	11.0	79	81
Lucas	30	7.4	57	47
Madison	79	16.8	130	124
Marion	129	37.0	288	225
Monroe	35	9.7	71	68
Ringgold	58	14.0	107	91
Union	47	14.5	104	74
Warren	97	21.8	164	155
Wayne	39	11.7	87	70
SC District	619	160.0	1,207	1,040
Davis	46	12.1	91	81
Des Moines	46	12.6	98	84
Henry	109	26.9	199	170
Jefferson	77	21.2	163	133
Keokuk	208	45.3	342	321
Lee	105	24.6	191	170
Louisa	72	17.3	126	118
Mahaska	248	54.5	435	381
Van Buren	62	15.6	124	119
Wapello	49	12.4	96	77
Washington	304	71.5	546	545
SE District	1,326	314.0	2,410	2,199
State	13,900	2,945.0	22,467	22,505

1 Preliminary 2 December 1

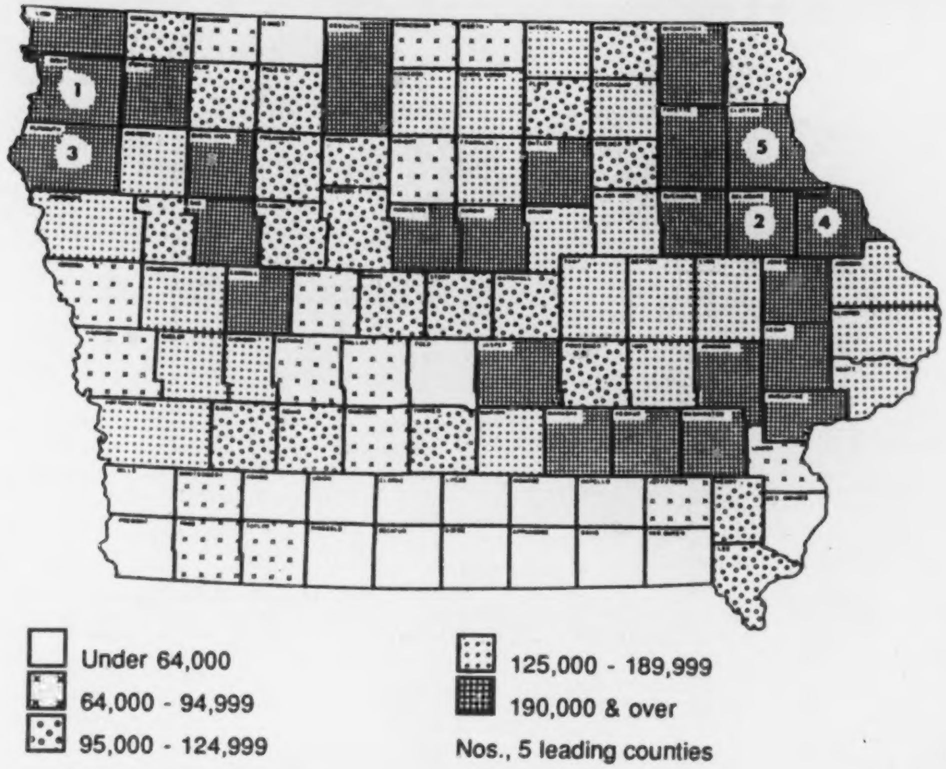
Iowa Hogs: Sows Farrowed And Pigs Saved, Spring and Fall, 1988[1]

County and District	December[2] -May farrowings		June-November farrowings	
	Sows	Pigs	Sows	Pigs
	thousand head			
Buena Vista	23.3	182	26.2	201
Cherokee	17.8	143	19.5	155
Clay	13.6	110	13.2	97
Dickinson	8.0	61	6.9	53
Emmet	5.6	45	4.8	38
Lyon	16.4	130	20.8	162
O'Brien	17.0	135	16.9	131
Osceola	9.0	73	7.2	55
Palo Alto	11.8	91	12.0	89
Plymouth	37.5	297	33.0	251
Pocahontas	12.8	101	11.9	88
Sioux	37.2	298	31.6	245
NW District	210.0	1,665	204.0	1,565
Butler	19.6	154	25.3	185
Cerro Gordo	14.8	111	12.7	95
Floyd	10.7	88	10.1	80
Franklin	18.9	149	17.4	131
Hancock	19.2	151	15.0	113
Humboldt	11.4	94	8.3	65
Kossuth	24.5	197	24.1	183
Mitchell	15.7	129	17.2	130
Winnebago	9.9	73	8.4	57
Worth	7.0	51	6.6	47
Wright	8.3	65	9.9	74
NC District	160.0	1,262	155.0	1,159
Allamakee	12.6	96	12.8	93
Black Hawk	15.3	121	14.4	110
Bremer	8.6	66	9.1	68
Buchanan	25.2	200	24.4	188
Chickasaw	15.2	118	13.2	96
Clayton	29.9	238	31.1	240
Delaware	41.3	320	38.1	288
Dubuque	33.4	265	30.4	234
Fayette	21.9	170	20.8	157
Howard	11.6	89	9.9	73
Winneshiek	18.0	136	22.8	163
NE District	233.0	1,819	227.0	1,710
Audubon	18.2	141	17.9	132
Calhoun	11.3	88	11.4	88
Carroll	28.5	215	28.6	211
Crawford	23.5	180	18.7	141
Greene	9.9	78	9.9	75
Guthrie	10.6	84	8.8	65
Harrison	7.2	56	7.8	57
Ida	11.0	83	10.0	73
Monona	7.7	58	6.7	49
Sac	22.9	178	24.7	184
Shelby	16.5	127	16.2	121
Woodbury	20.7	161	19.3	143
WC District	188.0	1,446	180.0	1,339
Boone	10.6	84	9.5	74
Dallas	8.7	63	7.9	56
Grundy	13.9	111	15.8	122
Hamilton	17.6	137	19.5	142
Hardin	21.7	175	20.9	163
Jasper	22.4	171	22.7	163
Marshall	13.9	109	12.7	97
Polk	4.9	38	5.1	3[illegible]
Poweshiek	14.6	111	13.6	98
Story	11.1	88	10.0	76
Tama	18.8	142	14.6	107
Webster	8.8	70	10.7	83
C District	167.0	1,299	163.0	1,218
Benton	20.1	155	18.6	135
Cedar	24.5	186	27.9	203
Clinton	21.4	162	18.1	132
Iowa	22.8	174	22.0	167
Jackson	19.3	149	14.9	107
Johnson	27.2	208	29.7	220
Jones	26.1	192	28.2	198
Linn	15.9	116	13.7	98
Muscatine	14.3	110	12.0	89
Scott	16.4	128	14.9	104
EC District	208.0	1,580	200.0	1,453
Adair	13.5	105	12.6	91
Adams	6.6	50	6.7	53
Cass	10.7	83	11.7	83
Fremont	6.0	48	5.5	41
Mills	6.1	47	5.9	41
Montgomery	8.9	67	8.7	63
Page	12.7	99	10.6	83
Pottawattamie	15.8	127	15.6	122
Taylor	8.7	64	9.7	68
SW District	89.0	690	87.0	645
Appanoose	2.6	19	2.5	19
Clarke	5.6	43	5.4	40
Decatur	5.6	40	5.4	39
Lucas	3.8	29	3.6	28
Madison	8.3	63	8.5	67
Marion	20.2	161	16.8	127
Monroe	5.0	37	4.7	34
Ringgold	6.4	49	7.6	58
Union	7.3	53	7.2	51
Warren	10.1	77	11.7	87
Wayne	6.1	46	5.6	41
SC District	81.0	617	79.0	590
Davis	6.1	48	6.0	43
Des Moines	6.5	52	6.1	46
Henry	15.4	115	11.5	84
Jefferson	11.2	87	10.0	76
Keokuk	23.4	184	21.9	158
Lee	10.6	84	14.0	107
Louisa	8.5	65	8.8	61
Mahaska	26.3	215	28.2	220
Van Buren	8.3	68	7.3	56
Wapello	6.3	50	6.1	46
Washington	36.4	283	35.1	263
SE District	159.0	1,250	155.0	1,160
State	1,495.0	11,628	1,450.0	10,839

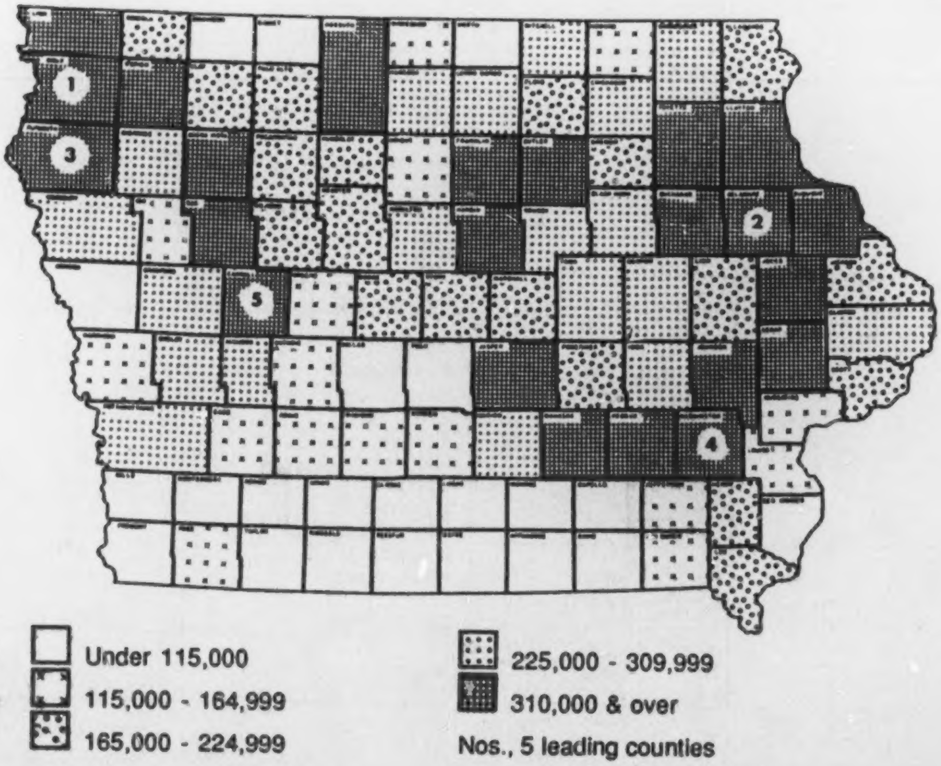
[1] Preliminary. [2] Preceding year.

Iowa Agricultural Statistics

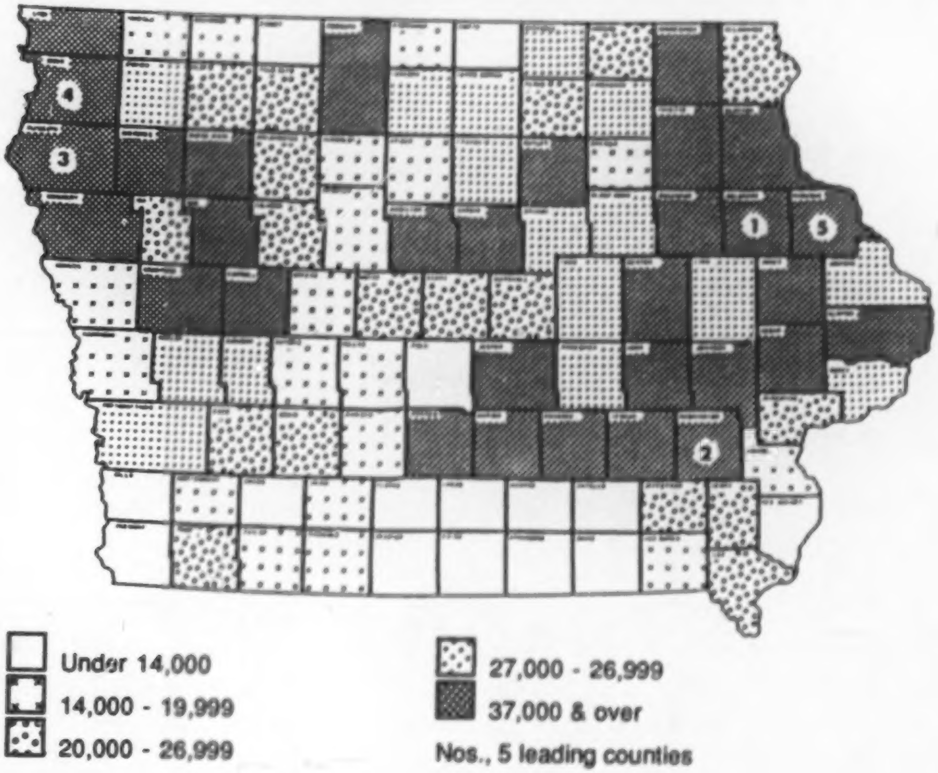
Iowa: All Hogs And Pigs On Farms, December 1, 1988


1
2
3
4
5
Under 64,000
64,000 - 94,999
95,000 - 124,999
125,000 - 189,999
190,000 & over
Nos., 5 leading counties

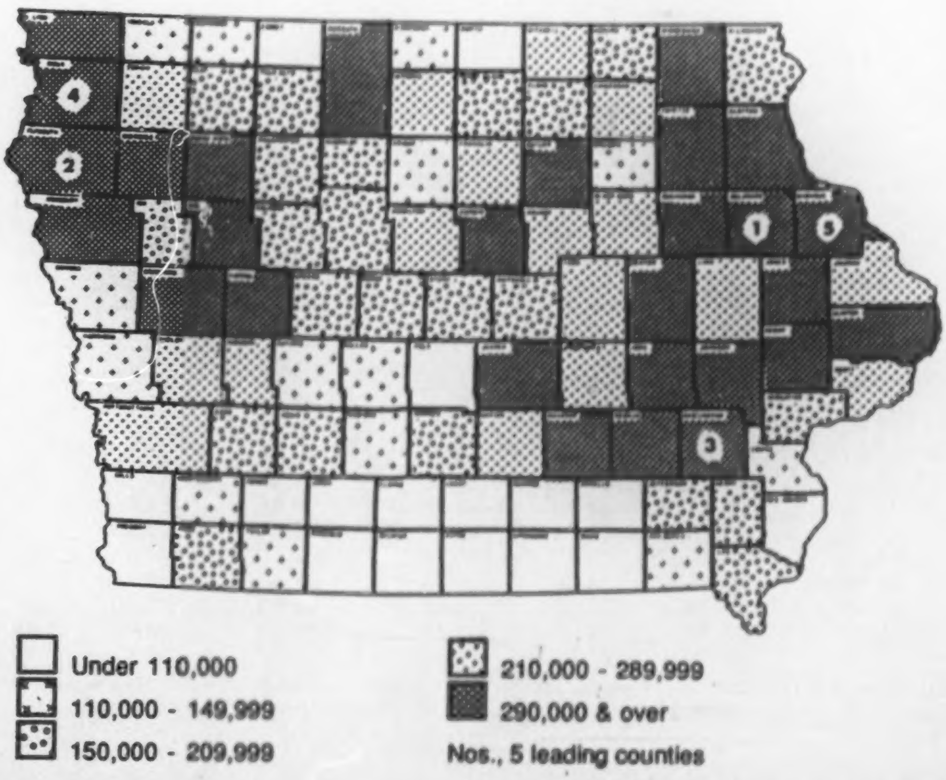
Iowa: Hogs Marketed During 1988


1
2
3
4
5
Under 115,000
115,000 - 164,999
165,000 - 224,999
225,000 - 309,999
310,000 & over
Nos., 5 leading counties

Iowa: Sows Farrowed, 1988


4
3
1
5
2
Under 14,000
14,000 - 19,999
20,000 - 26,999
27,000 - 26,999
37,000 & over
Nos., 5 leading counties

Iowa Pig Crop: Number Of Pigs Saved, 1988


4
2
1
5
3
Under 110,000
110,000 - 149,999
150,000 - 209,999
210,000 - 289,999
290,000 & over
Nos., 5 leading counties

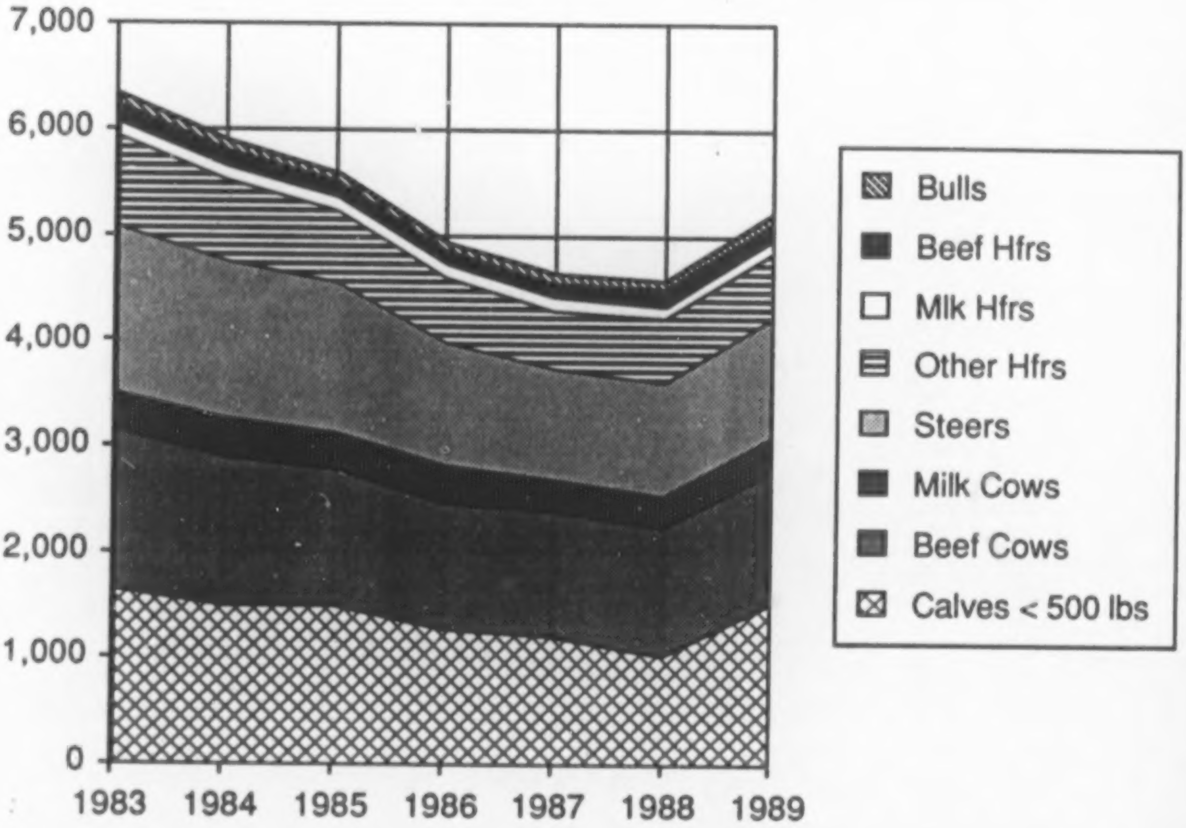
The tables below are guidelines to producers in determining profitability of raising feeder steers or feeder pigs to market weight, using 1987 production costs in the Corn Belt. More detailed data on expenses and prices is available in "Livestock and Poultry Outlook and Situation Report," U.S. Department of Agriculture, Economic Research Service.

Corn Belt Steer And Hog Prices, Costs, And Net Margins

Year	Steers, Omaha	Feed and feeder	Break-even[1]	Net margin	Barrows & gilts, 7 mkts.	Feed and feeder	Break-even[2]	Net margin
				Dollars per cwt.				
1985								
Jan.	64.35	59.59	69.76	-5.41	49.06	38.62	50.16	-1.10
Feb.	62.80	58.57	68.75	-5.95	48.98	36.23	47.70	+1.28
Mar.	59.58	57.39	67.56	-7.98	43.93	37.10	48.70	-4.77
Apr.	58.72	56.49	66.71	-7.99	41.41	36.55	48.10	-6.69
May	57.58	56.29	66.53	-8.95	42.17	40.95	52.83	-8.95
June	56.69	56.87	67.14	-10.45	45.68	40.57	52.42	-6.74
July	53.26	58.21	68.44	-15.18	46.99	41.56	53.49	-6.50
Aug.	51.94	58.40	68.60	-16.66	43.50	40.42	52.26	-8.76
Sep.	51.29	57.58	67.76	-16.47	45.48	32.38	43.65	+1.83
Oct.	57.40	58.24	68.46	-11.06	43.55	34.38	45.84	-2.29
Nov.	63.30	52.10	67.25	-3.95	44.14	34.60	45.95	-1.81
Dec.	62.94	55.68	65.74	-2.80	46.91	34.58	45.97	+.09
1986								
Jan.	59.69	52.74	62.48	-2.79	45.48	32.38	43.65	+1.83
Feb.	56.42	52.33	61.10	-5.68	43.55	34.38	45.84	-2.29
Mar.	55.55	50.74	60.44	-4.89	40.88	32.85	44.28	-3.40
Apr.	53.64	51.11	60.87	-7.23	40.27	31.65	42.94	-2.67
May	55.79	52.24	62.04	-6.25	46.91	33.15	44.55	+2.36
June	54.08	51.53	61.23	-7.15	54.50	35.93	47.55	+6.95
July	58.27	52.68	62.43	-4.16	60.99	37.87	49.65	+11.34
Aug.	59.04	52.69	62.45	-3.41	63.39	36.40	47.95	+15.44
Sept	59.43	53.08	62.87	-3.44	59.01	37.81	49.43	+9.58
Oct.	59.73	51.50	61.08	-1.35	54.21	38.45	50.13	+4.08
Nov.	61.54	51.85	61.43	+.11	53.62	40.72	52.65	+.97
Dec.	59.82	50.44	59.94	-.12	51.42	41.55	53.69	-2.27
1987								
Jan.	58.79	49.76	59.27	-0.48	47.39	41.85	54.10	-6.71
Feb.	61.02	50.67	60.37	+0.65	48.73	38.60	50.35	-1.62
Mar.	61.58	49.42	59.10	+2.48	48.22	37.73	49.37	-1.15
Apr.	66.30	48.89	58.40	+7.90	51.85	36.88	48.44	+3.41
May	70.66	49.16	58.63	+12.03	55.58	36.22	47.75	+7.83
June	68.83	49.90	59.40	+9.43	61.08	39.04	50.81	+10.27
July	65.80	51.82	61.45	+4.35	61.85	39.95	51.75	+10.10
Aug.	64.50	52.90	62.61	+1.89	60.35	40.75	52.90	+7.45
Sept.	64.81	53.19	62.89	+1.92	54.72	39.47	51.49	+3.23
Oct.	64.81	54.55	64.36	+.45	48.75	37.00	48.81	-.06
Nov.	64.20	55.54	65.37	-1.17	40.65	37.19	49.52	-8.87
Dec.	63.93	56.12	65.97	-2.04	41.14	37.55	49.97	-8.83
1988								
Jan.	65.00	56.98	66.98	-1.98	44.43	37.25	49.65	-5.22
Feb.	68.31	58.01	68.13	.18	47.01	35.07	46.57	.44
Mar.	71.53	59.27	69.46	2.07	42.79	33.21	44.54	-1.75
Apr.	72.71	57.23	67.24	3.47	42.10	31.50	42.66	-.56
May	75.15	59.15	69.26	5.89	47.55	34.92	46.42	1.13
June	70.58	59.41	69.66	1.08	48.06	38.68	50.44	-2.38
July	65.96	63.37	73.63	-7.67	45.57	40.49	52.38	-6.81
Aug.	57.08	63.05	73.40	-6.32	46.10	42.14	54.86	-8.76
Sep.	67.71	64.24	74.66	-6.95	41.04	40.10	52.63	-11.59
Oct.	69.13	64.82	75.31	-6.18	38.95	35.40	47.40	-8.45
Nov.	70.07	63.14	73.49	-3.42	36.45	37.60	49.50	-13.05
Dec.	71.21	62.53	72.67	-1.46	40.58	37.07	48.97	-8.39

[1] Selling price required to cover costs of feeding 600 lb. feeder steer to 1,050 lb. slaughter in the Corn Belt. [2] Selling price required to cover costs of feeding 40-50 lb. feeder pig to 220 lb. slaughter hog in the Corn Belt.

Iowa Cattle And Calves: Inventory on Farms, January 1



Number on Farms January 1, Yearly Inventory Value And Calf Crop

Year	All Cattle and calves			Cows and heifers that have calved			Calves born prev. year	Heifers 500 lbs. and over			Steers 500 lbs. and over	Bulls 500 lbs. and over	All calves less than 500 lbs.
		Value											
	Number	Per head	Total	Milk	Beef	Total		Milk replacement	Beef replacement	Other			
	1000/Hd.	$$	1000/$	Thousand head									
1983	6,350	405	2,571,750	362	1,518	1,880	1,800	133	184	845	1,575	87	1,646
1984	5,900	410	2,419,000	358	1,417	1,775	1,740	135	160	755	1,500	79	1,496
1985	5,600	445	2,492,000	345	1,305	1,650	1,640	130	150	670	1,425	75	1,500
1986	4,950	420	2,079,000	360	1,190	1,550	1,500	145	125	605	1,170	75	1,280
1987	4,650	430	1,999,500	308	1,182	1,490	1,470	125	140	550	1,065	70	1,210
1988	4,650	540	2,511,000	299	1,201	1,500	1,490	128	160	595	1,098	80	1,089
1989[1]	4,750	605	2,873,750	310	1,265	1,575	1,540	120	170	615	1,150	80	1,040

[1] Preliminary.

Number of Feedlots And Fed Cattle Marketed By Size of Feedlot Capacity

Iowa & 13 Major States

Cattle	1978 Number of lots[1]	1978 Fed cattle marketed	1986 Number of lots[1]	1986 Fed cattle marketed	1987 Number of lots[1]	1987 Fed cattle marketed	1988 Number of lots[1]	1988 Fed cattle marketed
		1,000 head		1,000 head		1,000 head		
IOWA								
Under 1,000	32,701	2,565	10,935	1,133	10,655	1,215	11,235	1,115
1,000 - 1,999	205	267	400	172	250	321	200	290
2,000 - 3,999	65	174	165[3]	232[3]	95[3]	214[3]	65	275
4,000 - 7,999	20	98	–	–	–	–	–	–
8,000 and over	9	138	–	–	–	–	–	–
Total	33,000	3,242	11,500	1,537	11,000	1,750	11,500	1,680
13 MAJOR STATES[2]								
Under 1,000	86,519	7,083	42,659	4,094	41,353	4,226	40,991	3,676
1,000 - 1,999	717	1,207	861	908	723	1,061	661	994
2,000 - 3,999	355	1,208	474	1,366	409	1,320	404	1,454
4,000 - 7,999	181	1,461	198	1,634	211	1,690	215	1,680
8,000 - 15,999	197	3,376	191	3,165	185	3,285	198	3,464
16,000 - 31,999	128	5,278	127	4,509	119	4,347	113	4,468
32,000 and over	65	5,154	80	7,180	81	7,042	80	7,603
Total	88,162	24,767	44,590	22,856	43,081	22,991	42,662	23,339

[1] Number of feedlots with 1,000 head or more capacity is number of lots operating anytime during year. Number under 1,000 head capacity is number at end of year. [2] Includes ARIZ, CALIF, COLO, IDAHO, ILL, IOWA, KANS, MINN, NEBR, OKLA, S DAK, TEXAS, and WASH. [3] 2,000 and above.

Iowa Cattle and Calves: Number on Feed, By Quarters

Quarter and year	Steers Under 500 lbs.	Steers 500-699 lbs.	Steers 700-899 lbs.	Steers 900-1099 lbs.	Steers 1100 & over	Steers Total	Heifers Under 500 lbs.	Heifers 500-699 lbs.	Heifers 700-899 lbs.	Heifers 900-1099 lbs.	Heifers Total
						Thousand head					
January 1											
1978	108	335	324	238	75	1,080	133	194	187	91	605
1984	34	154	194	234	54	670	38	106	106	70	320
1985	40	126	166	183	57	572	24	87	104	84	299
1986	21	101	122	131	47	422	24	80	72	65	241
1987	21	120	120	111	56	428	25	81	78	61	245
1988	20	121	97	113	52	403	19	93	58	70	240
April 1											
1978	29	270	309	289	68	965	35	266	207	83	591
1984	6	102	203	209	78	598	6	113	119	75	313
1985	6	102	176	181	102	567	6	97	133	88	324
1986	4	75	127	131	60	397	7	78	90	62	237
1987	11	62	172	129	69	443	15	74	84	54	227
1988	10	60	190	141	63	464	8	51	105	46	210
July 1											
1978	16	91	340	307	75	829	14	98	256	98	466
1984	4	29	125	207	50	415	2	35	139	72	248
1985	4	24	123	184	74	409	3	33	122	96	254
1986	3	18	107	128	49	305	4	30	91	65	190
1987	5	21	87	155	58	326	4	33	110	76	223
1988	7	18	90	184	62	361	6	22	95	75	198
October 1											
1978	8	110	263	365	102	848	12	84	187	116	399
1984	8	34	124	166	45	377	4	39	83	81	207
1985	3	18	75	133	72	301	2	16	68	79	165
1986	3	21	97	141	49	311	4	36	87	77	204
1987	12	30	91	168	54	355	3	26	54	87	170
1988	18	32	114	140	50	354	9	35	56	42	142

IOWA CATTLE AND CALVES

Number On Feed

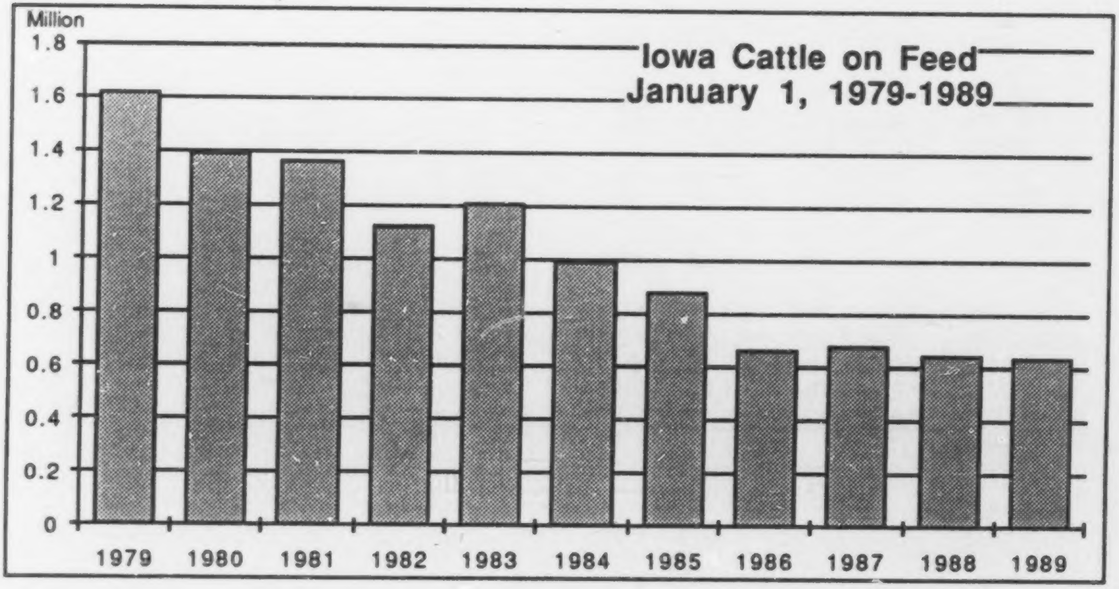
Year	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sep. 1	Oct. 1	Nov. 1	Dec. 1
						Thousand head						
1978	1,690	1,650	1,630	1,560	1,500	1,420	1,300	1,240	1,200	1,250	1,340	1,540
1984	1,000	1,000	980	920	850	740	670	620	560	590	660	805
1985	880	905	905	900	850	780	670	570	500	470	540	630
1986	670	640	635	640	625	560	500	490	490	520	560	620
1987	680	670	665	675	645	620	555	500	490	530	570	610
1988[1]	650	655	640	680	680	650	565	495	475	500	565	610

[1] Preliminary.

Number Marketed And Placements In Feedlots

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
						Thousand head							
Cattle and calves placed on feed													
1978	252	325	230	220	215	200	240	260	350	410	275	390	3,467
1984	180	145	125	100	100	100	95	110	175	245	295	260	1,930
1985	170	145	125	105	105	75	60	95	128	235	230	240	1,713
1986	110	100	120	115	90	86	110	128	160	200	200	200	1,619
1987	170	120	155	130	135	90	80	123	190	230	200	190	1,813
1988[1]	150	125	160	135	115	80	85	145	165	250	190	160	1,760
Grain fed cattle marketed													
1978	272	225	275	240	260	290	280	280	280	300	260	280	3,242
1984	170	150	170	155	197	160	140	163	139	169	146	165	1,924
1985	140	135	120	145	165	175	155	160	155	160	135	180	1,825
1986	135	100	105	120	145	140	115	125	125	157	135	135	1,537
1987	170	115	140	150	150	145	130	128	145	187	155	135	1,750
1988[1]	135	130	115	125	135	155	150	160	135	180	140	120	1,680

[1] Preliminary.



IOWA CATTLE AND CALVES

Inventory, Supply and Disposition

Year	Inventory January 1	Calf crop	Inshipments	Marketings Cattle	Marketings Calves	Farm slaughter	Cattle & calf deaths
			Thousand head				
IOWA							
1978	7,800	2,030	2,700	4,846	173	11	300
1984	5,900	1,640	1,263	2,867	89	7	240
1985	5,600	1,500	1,000	2,866	71	8	205
1986	4,950	1,470	1,400	2,913	60	7	190
1987[2]	4,650	1,490	1,600	2,822	70	8	190
1988[1]	4,650	1,540	1,550	2,706	80	9	195
U.S.							
1978	116,375	43,818	23,695	54,737	11,938	550	5,800
1984	113,700	42,500	20,515	50,862	10,253	388	5,464
1985	109,749	41,045	19,864	49,243	10,530	370	5,046
1986	105,468	41,141	21,211	49,995	10,477	351	4,998
1987[2]	102,000	40,086	22,222	49,232	10,423	330	4,800
1988[1]	99,524	40,872	22,324	48,076	10,248	286	4,626

[1] Preliminary. [2] Revised.

Production And Income

Year	Production	Marketings	Average Price per 100 pounds Catlle	Average Price per 100 pounds Calves	Value of production	Cash receipts	Value of home consumption	Gross income
	--- Thousand pounds ---		— Dollars —		Thousand dollars			
IOWA								
1978	2,962,140	5,117,660	50.90	56.50	1,500,038	2,606,396	26,083	2,632,479
1984	2,078,310	3,092,940	56.80	59.60	1,180,985	1,757,178	14,207	1,771,385
1985	2,155,730	3,206,680	54.50	62.20	1,169,610	1,748,500	12,763	1,761,263
1986	2,136,650	3,197,850	53.70	61.50	1,146,225	1,717,941	12,734	1,730,675
1987[2]	2,210,850	3,100,780	61.80	75.30	1,361,999	1,917,764	14,562	1,932,326
1988[1]	2,168,090	2,978,130	67.30	88.40	1,458,394	2,007,035	14,461	2,021,496
U.S.								
1978	39,971,171	57,455,760	48.50	59.10	19,553,169	28,248,127	565,081	28,813,208
1984	40,030,471	54,644,756	57.30	59.90	22,145,753	30,664,444	554,291	31,218,735
1985	40,157,633	54,483,633	53.70	62.10	21,196,786	29,050,683	485,093	29,535,776
1986	40,474,970	55,421,460	52.60	61.10	20,935,311	28,922,520	453,337	29,375,857
1987[2]	40,327,023	54,449,464	61.10	78.50	24,660,211	33,433,726	474,585	33,918,311
1988[1]	40,897,874	53,897,458	66.60	89.20	27,426,021	36,285,507	484,956	36,770,463

[1] Preliminary. [2] Revised.

CATTLE: SLAUGHTER AND LIVE WEIGHT, IOWA AND U.S.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
						Thousand head							
IOWA													
1978	342	328	353	317	346	330	313	343	327	325	309	324	3,957
1983	307	257	243	241	263	280	240	299	292	273	286	315	3,296
1984	287	257	245	220	222	210	200	199	178	208	187	183	2,594
1985	183	142	141	156	177	160	176	178	175	178	166	161	1,993
1986	172	133	144	169	178	160	170	156	161	183	165	177	1,969
1987	190	149	175	192	181	182	184	171	178	191	167	174	2,133
1988[2]	165	157	173	159	156	167	156	172	159	156	154	147	1,920
U.S.													
1978	3,469	3,269	3,470	3,180	3,436	3,261	3,062	3,458	3,223	3,408	3,269	3,047	39,552
1983	3,061	2,691	2,980	2,756	2,957	3,139	2,867	3,368	3,312	3,278	3,079	3,161	36,649
1984	3,109	2,971	3,089	2,855	3,301	3,187	3,127	3,396	3,040	3,478	3,086	2,943	37,582
1985	3,277	2,776	2,883	2,971	3,173	2,883	3,139	3,215	2,999	3,240	2,812	2,925	36,293
1986	3,331	2,715	2,839	3,214	3,234	3,123	3,322	3,203	3,128	3,285	2,819	3,076	37,288
1987	3,201	2,659	2,904	2,971	2,872	3,035	3,099	3,056	3,068	3,131	2,751	2,899	35,647
1988[2]	2,926	2,759	2,896	2,783	2,909	3,068	2,983	3,207	3,010	2,966	2,800	2,774	35,079

Average Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
						Pounds							
IOWA													
1978	1,056	1,052	1,049	1,053	1,061	1,064	1,050	1,041	1,044	1,066	1,087	1,085	1,059
1983	1,098	1,096	1,093	1,086	1,088	1,080	1,071	1,057	1,066	1,083	1,098	1,085	1,083
1984	1,073	1,086	1,088	1,087	1,077	1,073	1,058	1,057	1,070	1,090	1,095	1,092	1,079
1985	1,102	1,107	1,113	1,124	1,132	1,133	1,126	1,123	1,119	1,128	1,130	1,115	1,121
1986	1,118	1,128	1,131	1,139	1,127	1,120	1,110	1,102	1,114	1,126	1,131	1,131	1,123
1987	1,152	1,156	1,153	1,140	1,141	1,118	1,116	1,120	1,160	1,146	1,155	1,156	1,143
1988[2]	1,158	1,154	1,148	1,146	1,140	1,142	1,128	1,138	1,151	1,174	1,180	1,176	1,153
U.S.													
1978	1,033	1,030	1,027	1,026	1,027	1,026	1,026	1,031	1,040	1,045	1,061	1,065	1,036
1983	1,078	1,084	1,079	1,069	1,066	1,061	1,067	1,064	1,067	1,070	1,077	1,070	1,071
1984	1,066	1,074	1,073	1,067	1,063	1,059	1,055	1,060	1,066	1,072	1,072	1,073	1,067
1985	1,080	1,087	1,092	1,098	1,104	1,104	1,100	1,102	1,109	1,104	1,102	1,092	1,098
1986	1,100	1,107	1,110	1,110	1,102	1,094	1,091	1,091	1,102	1,103	1,097	1,099	1,100
1987	1,109	1,108	1,107	1,094	1,087	1,086	1,093	1,100	1,114	1,118	1,121	1,123	1,105
1988[2]	1,119	1,118	1,117	1,106	1,102	1,105	1,113	1,123	1,130	1,135	1,134	1,141	1,120

Total Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
						Million Pounds							
IOWA													
1978	361	344	370	334	367	351	329	357	341	347	335	351	4,189
1983	336	262	265	262	286	304	257	317	311	296	314	341	3,571
1984	308	278	266	240	239	225	211	210	191	226	205	200	2,798
1985	201	157	157	176	200	181	198	200	196	201	188	179	2,234
1986	192	151	163	193	200	179	189	172	180	206	186	200	2,211
1987	219	172	202	219	207	203	205	191	206	218	193	201	2,437
1988[2]	191	181	198	182	178	190	176	196	183	183	181	173	2,213
U.S.													
1978	3,584	3,368	3,563	3,263	3,527	3,345	3,143	3,566	3,353	3,562	3,467	3,244	40,986
1983	3,299	2,918	3,216	2,945	3,151	3,330	3,059	3,586	3,535	3,508	3,318	3,383	39,248
1984	3,315	3,192	3,313	3,047	3,510	3,376	3,298	3,601	3,240	3,728	3,307	3,159	40,085
1985	3,539	3,017	3,147	3,260	3,502	3,182	3,452	3,544	3,325	3,577	3,100	3,196	39,841
1986	3,663	3,006	3,151	3,567	3,565	3,416	3,625	3,495	3,447	3,623	3,091	3,381	41,032
1987	3,549	2,947	3,215	3,250	3,122	3,296	3,386	3,363	3,419	3,502	3,083	3,256	39,387
1988[2]	3,275	3,085	3,235	3,077	3,204	3,390	3,318	3,602	3,402	3,367	3,174	3,165	39,294

[1] Totals may not add due to rounding. [2] Preliminary.

Red Meat Production By State and U.S.[1]

State	1985	1986	1987	1988
		1,000 pounds		
Alabama	265,403	244,746	257,943	232,473
Arizona	304,401	272,952	258,215	279,672
Arkansas	94,898	94,794	91,852	83,439
California	1,407,291	1,320,443	1,219,269	1,201,231
Colorado	1,279,813	1,426,866	1,551,580	1,676,093
Delaware-Maryland	63,301	56,256	65,353	79,349
Florida	200.198	142,779	129,804	118,812
Georgia	378,250	437,874	409,003	312,652
Hawaii	40,984	40,917	42,162	40,500
Idaho	56	40,5007,151	547,655	551,210
Illinois	2,252,452	2,031,025	2,046,602	2,419,478
Indiana	772,737	743,632	852,169	878,817
Iowa	5.164.006	4.742.520	5.369.720	5.925.942
Kansas	4,617,530	4,809,384	4,676,939	4,776,076
Kentucky	518,126	481,435	511,728	559,681
Louisiana	81,283	73,343	56,821	46,399
Michigan	1,165,820	1,084,826	1,051,100	1,126,143
Minnesota	1,509,267	1,689,987	1,732,085	1,567,638
Mississippi	374,080	404,777	402,833	383,862
Missouri	802,261	904,732	902,890	935,360
Montana	28,678	20,697	18,192	16,206
Nebraska	4,607,729	4,682,370	4,496,559	4,855,801
Nevada	4,432	3,415	1,808	2,150
New England[2]	77,250	77,959	68,171	56,303
New Jersey	153,048	120,224	101,689	100,091
New Mexico	91,030	100,041	79,263	79,416
New York	176,305	178,485	157,870	151,145
North Carolina	471,142	507,480	526,668	547,167
North Dakota	104,268	94,731	58,193	107,725
Ohio	1,115,556	990,035	833,260	824,016
Oklahoma	378,392	414,275	185,557	94,109
Oregon	92,396	94,473	65,178	65,912
Pennsylvania	934,464	997,599	947,382	960,994
South Carolina	146,215	151,767	152,977	168,020
South Dakota	977,762	1,144,065	1,073,330	1,165,515
Tennessee	670,825	575,017	487,952	471,878
Texas	4,171,622	4,217,110	4,147,706	4,060,914
Utah	282,058	311,427	344,368	384,896
Virginia	750,616	837,661	853,687	861,094
Washington	691,567	667,608	617,854	673,028
West Virginia	25,141	23,285	19,603	17,521
Wisconsin	1,315,542	1,285,767	1,079,180	898,194
Wyoming	6,278	3,898	5,457	5,820
United States	39,131,161	39,050,332	38,442,366	39,762,742

[1] Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter. [2] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Iowa All Cows January 1, 1989, And Calves Born, 1988, By County[1]

County and District	All Cows 1989	All Calves 1988
Buena Vista	6,500	6,300
Cherokee	15,300	15,000
Clay	6,500	6,400
Dickinson	5,700	5,600
Emmet	5,500	5,400
Lyon	18,000	17,700
O'Brien	10,000	9,800
Osceola	4,500	4,400
Palo Alto	4,700	4,600
Plymouth	19,000	18,800
Pocahontas	3,300	3,200
Sioux	23,000	22,800
NW District	122,000	120,000
Butler	10,700	10,500
Cerro Gordo	5,200	5,100
Floyd	7,000	6,800
Franklin	6,000	5,800
Hancock	4,000	3,900
Humboldt	4,000	3,900
Kossuth	9,000	8,800
Mitchell	7,700	7,600
Winnebago	2,900	2,800
Worth	4,000	3,900
Wright	2,000	1,900
NC District	62,500	61,000
Allamakee	45,000	44,300
Black Hawk	8,000	7,700
Bremer	15,000	14,000
Buchanan	14,000	13,500
Chickasaw	14,500	14,000
Clayton	53,000	52,000
Delaware	34,500	33,500
Dubuque	54,500	53,500
Fayette	30,500	29,500
Howard	13,000	12,500
Winneshiek	43,000	42,500
NE District	325,000	317,000
Audubon	15,500	15,000
Calhoun	5,500	5,400
Carroll	14,000	13,500
Crawford	25,500	25,000
Greene	8,500	8,300
Guthrie	18,000	17,500
Harrison	20,000	19,500
Ida	13,000	12,500
Monona	10,500	10,300
Sac	11,000	10,800
Shelby	14,500	14,200
Woodbury	18,500	18,000
WC District	174,500	170,000
Boone	7,000	6,900
Dallas	9,000	8,900
Grundy	7,500	7,400
Hamilton	2,000	1,900
Hardin	12,000	11,600
Jasper	26,500	25,900
Marshall	13,000	12,800
Polk	6,500	6,400
Poweshiek	23,500	23,200
Story	5,000	4,900
Tama	21,000	20,700
Webster	4,500	4,400
C District	137,500	135,000
Benton	19,000	18,600
Cedar	15,000	14,500
Clinton	15,500	15,300
Iowa	25,500	25,000
Jackson	41,000	40,000
Johnson	19,000	18,800
Jones	24,500	24,000
Linn	18,000	17,700
Muscatine	11,000	10,800
Scott	10,500	10,300
EC District	199,000	195,000
Adair	33,000	32,000
Adams	21,500	21,000
Cass	19,500	19,000
Fremont	9,000	8,700
Mills	9,000	8,600
Montgomery	12,500	12,000
Page	17,500	17,000
Pottawattamie	24,000	23,200
Taylor	19,000	18,500
SW District	165,000	160,000
Appanoose	22,500	22,200
Clarke	21,000	20,700
Decatur	27,000	26,500
Lucas	22,000	21,700
Madison	21,000	20,700
Marion	13,000	12,800
Monroe	18,500	18,200
Ringgold	28,000	27,600
Union	23,500	23,200
Warren	23,000	22,700
Wayne	24,000	23,700
SC District	243,500	240,000
Davis	20,500	20,000
Des Moines	8,500	8,300
Henry	8,000	7,800
Jefferson	10,000	9,800
Keokuk	20,500	20,000
Lee	12,500	12,200
Louisa	7,500	7,100
Mahaska	16,000	15,500
Van Buren	18,500	18,000
Wapello	12,000	11,700
Washington	12,000	11,600
SE District	146,000	142,000
State	1,575,000	1,540,000

[1] Preliminary.

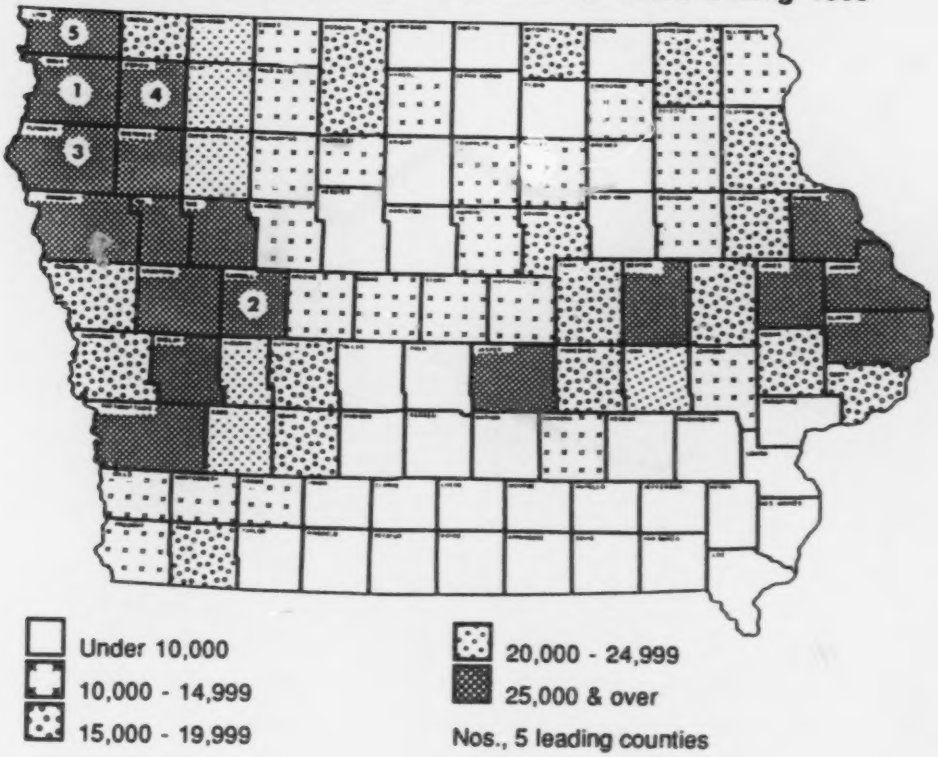
Iowa Total Cattle, Beef Cows, Milk Cows On Farms January 1, 1989, And Grain Fed Marketings During The Year, By County, 1988

County and District	All cattle and calves	Beef Cows	Milk Cows	Grain fed cattle marketed
Buena Vista	42,000	6,000	500	22,500
Cherokee	77,000	13,500	1,800	39,000
Clay	32,000	6,200	300	20,000
Dickinson	36,500	4,800	900	20,000
Emmet	16,500	5,400	100	10,000
Lyon	95,000	13,000	5,000	49,000
O'Brien	78,000	8,200	1,800	54,500
Osceola	41,500	2,900	1,600	19,000
Palo Alto	19,500	4,000	700	12,500
Plymouth	79,000	17,000	2,000	55,000
Pocahontas	23,000	3,000	300	13,500
Sioux	205,000	13,000	10,000	155,000
NW District	745,000	97,000	25,000	470,000
Butler	33,500	6,800	3,900	14,000
Cerro Gordo	15,000	4,500	700	5,700
Floyd	22,000	5,500	1,500	8,800
Franklin	25,000	5,100	900	10,000
Hancock	17,500	2,900	1,100	10,500
Humboldt	19,000	3,500	500	11,000
Kossuth	44,000	6,500	2,500	19,500
Mitchell	38,000	4,000	3,700	19,000
Winnebago	10,000	1,600	1,300	4,500
Worth	13,000	3,100	900	5,500
Wright	8,000	1,700	300	6,500
NC District	245,000	45,200	17,300	115,000
Allamakee	96,000	23,000	22,000	14,500
Black Hawk	22,000	4,700	3,300	6,500
Bremer	30,000	4,500	10,500	7,100
Buchanan	39,500	7,500	6,500	10,500
Chickasaw	43,000	7,800	6,700	11,500
Clayton	120,000	24,000	29,000	19,000
Delaware	83,000	8,500	26,000	15,500
Dubuque	130,000	185,000	36,000	25,500
Fayette	87,000	12,000	18,500	14,000
Howard	34,500	7,500	5,500	7,400
Winneshiek	115,000	20,000	23,000	18,500
NE District	800,000	138,000	187,000	150,000
Audubon	43,000	15,000	500	21,000
Calhoun	23,000	5,400	100	14,000
Carroll	105,000	13,400	600	57,000
Crawford	65,000	24,000	1,500	31,500
Greene	30,000	8,400	100	11,000
Guthrie	43,000	17,700	300	16,000
Harrison	53,000	19,500	500	19,000
Ida	51,000	12,400	600	25,000
Monona	46,000	10,200	300	17,500
Sac	60,000	10,000	1,000	32,500
Shelby	48,000	13,800	700	25,500
Woodbury	88,000	18,200	300	40,000
WC District	655,000	168,000	6,500	310,000
Boone	27,500	6,300	700	11,500
Dallas	22,000	8,600	400	9,300
Grundy	31,000	6,400	1,100	17,500
Hamilton	9,000	1,700	300	6,500
Hardin	36,000	11,500	500	13,500
Jasper	76,000	25,000	1,500	25,000
Marshall	34,000	12,300	700	13,900
Polk	15,500	6,000	500	5,300
Poweshiek	60,000	22,500	1,000	16,500
Story	19,000	4,200	800	12,000
Tama	52,500	19,200	1,800	18,000
Webster	12,500	4,300	200	6,000
C District	395,000	128,000	9,500	155,000
Benton	84,000	16,000	3,000	32,000
Cedar	43,000	13,200	1,800	16,500
Clinton	72,000	12,500	3,000	31,000
Iowa	65,000	24,100	1,400	21,500
Jackson	115,000	29,500	11,500	35,500
Johnson	45,000	14,700	4,300	14,500
Jones	68,000	18,000	6,500	28,500
Linn	44,000	13,200	4,800	16,500
Muscatine	26,000	9,200	1,800	9,000
Scott	38,000	7,600	2,900	15,000
EC District	600,000	158,000	41,000	220,000
Adair	70,000	31,900	1,100	17,500
Adams	43,000	21,100	400	11,500
Cass	54,000	18,800	700	20,000
Fremont	26,500	8,600	400	14,000
Mills	27,000	8,900	100	11,000
Montgomery	37,500	12,200	300	10,500
Page	48,000	17,100	400	15,000
Pottawattamie	95,000	23,400	600	36,000
Taylor	39,000	18,800	200	9,500
SW District	440,000	160,800	4,200	145,000
Appanoose	47,000	21,700	800	4,400
Clarke	44,000	20,700	300	3,300
Decatur	59,000	26,200	800	5,000
Lucas	48,000	21,400	600	3,400
Madison	45,500	20,900	100	3,900
Marion	36,000	11,500	1,500	3,700
Monroe	40,500	17,600	900	4,200
Ringgold	58,000	27,300	700	5,000
Union	50,000	23,300	200	4,000
Warren	50,000	21,300	1,700	4,100
Wayne	52,000	23,300	700	4,000
SC District	530,000	235,200	8,300	45,000
Davis	40,000	18,500	2,000	6,900
Des Moines	17,500	7,400	1,100	4,200
Henry	18,000	7,500	500	4,000
Jefferson	23,000	9,100	900	4,800
Keokuk	46,000	20,100	400	7,800
Lee	37,000	10,600	1,900	8,700
Louisa	14,000	7,300	200	3,000
Mahaska	54,000	14,400	1,600	13,700
Van Buren	32,000	17,900	600	5,100
Wapello	25,000	11,300	700	5,500
Washington	33,500	10,700	1,300	6,300
SE District	340,000	134,800	11,200	70,000
State	4,750,000	1,265,000	310,000	1,680,000

1 Preliminary.

Iowa Agricultural Statistics

Iowa Grain Fed Cattle Marketed: Number Marketed During 1988



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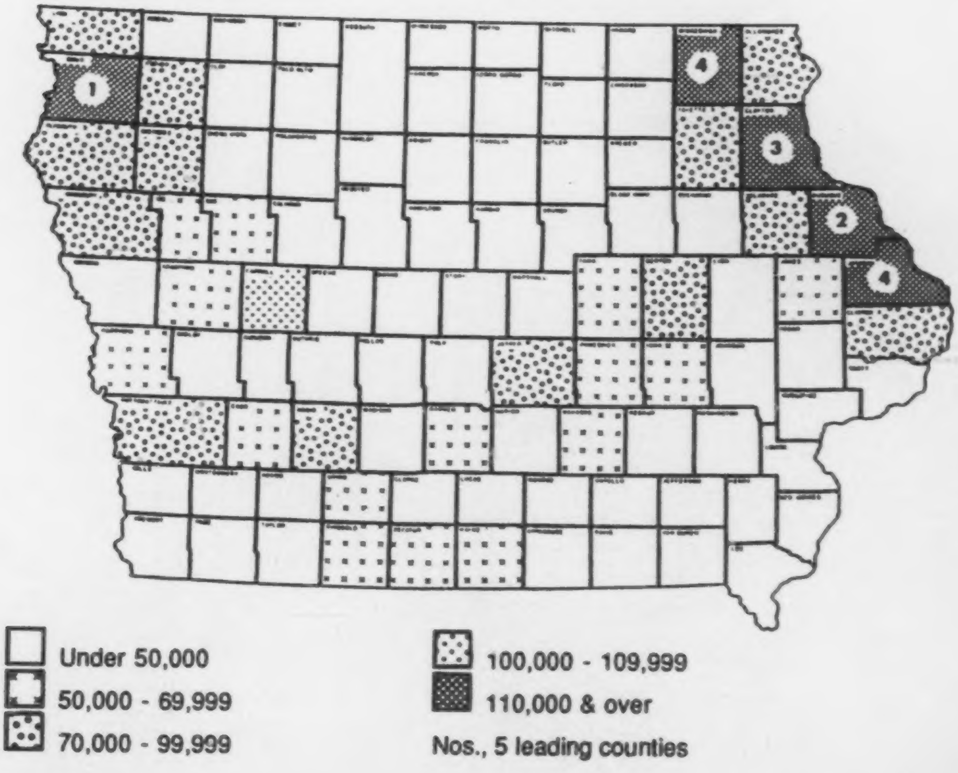
Under 10,000
10,000 - 14,999
15,000 - 19,999
20,000 - 24,999
25,000 & over
Nos., 5 leading counties

Iowa All Cattle: Number On Farms January 1, 1988



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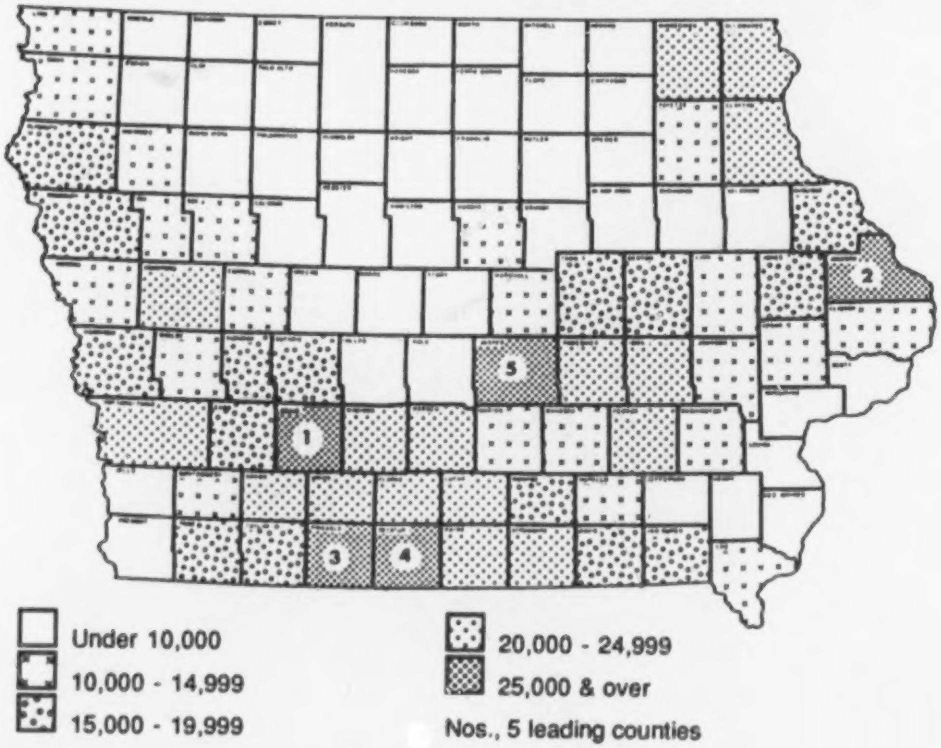
Under 50,000
50,000 - 69,999
70,000 - 99,999
100,000 - 109,999
110,000 & over
Nos., 5 leading counties

Iowa Beef Cows Number On Farms January 1, 1988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Under 10,000
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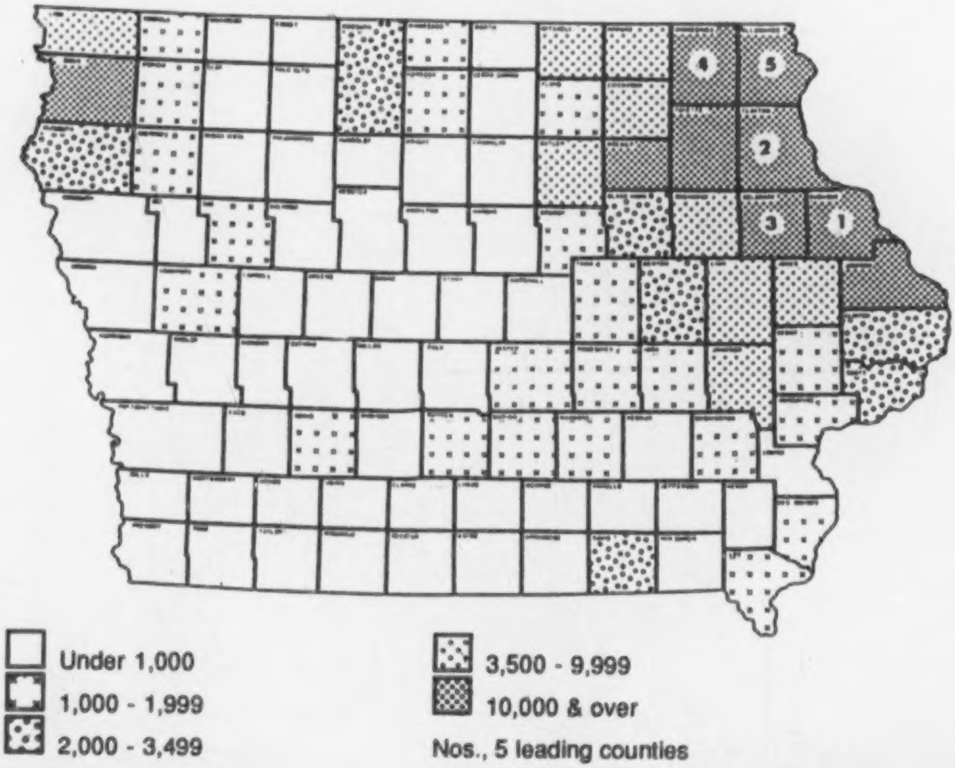
15,000 - 19,999
20,000 - 24,999
25,000 & over
Nos., 5 leading counties

Iowa Milk Cows: Number On Farms January 1, 1988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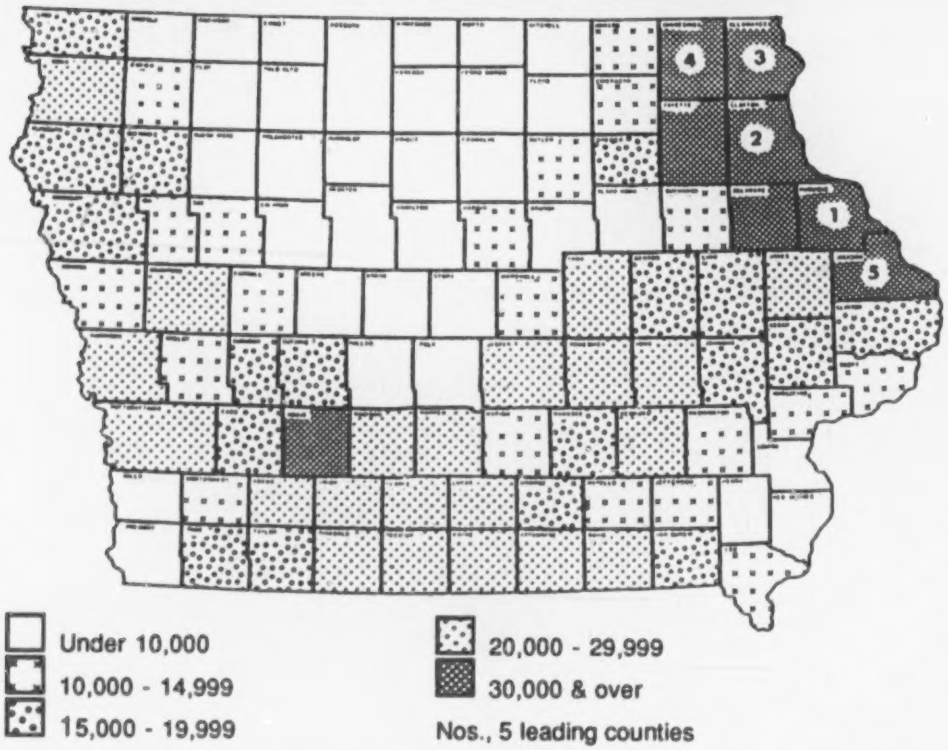
Iowa Cows: Number On Farms January 1, 1989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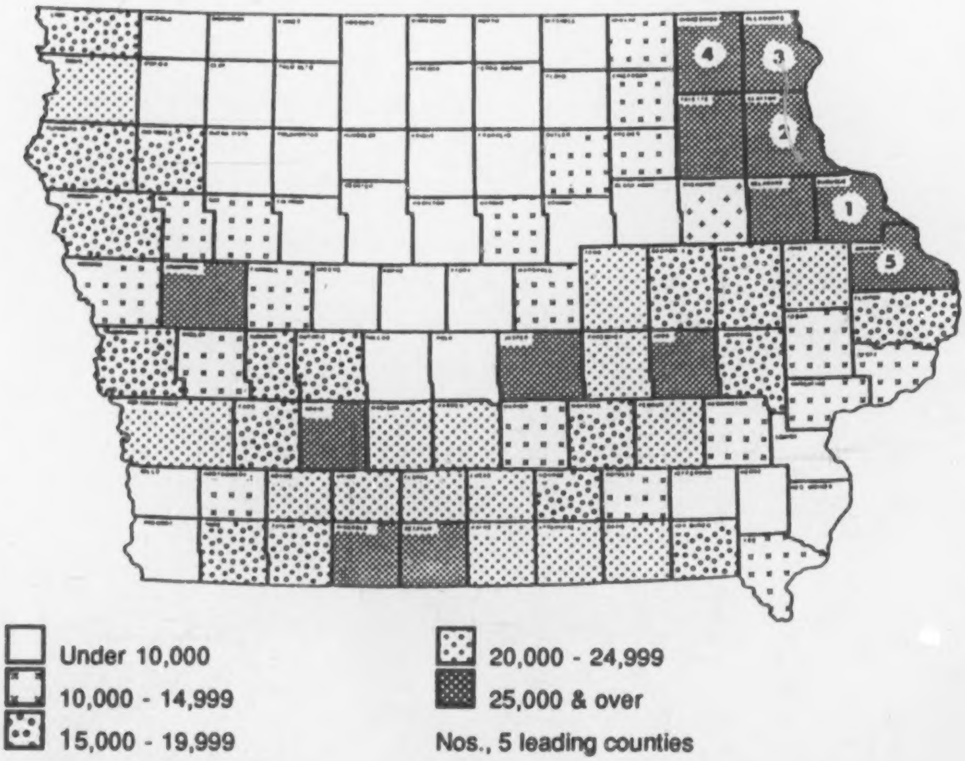
Nos., 5 leading counties

Iowa Calves: Number Born During 1988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Under 10,000
10,000 - 14,999
15,000 - 19,999
20,000 - 24,999
25,000 & over
Nos., 5 leading counties

Iowa Milk Cows: Number And Production

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
MILK COWS ON FARMS						Thousand head							
1978	380	379	379	379	377	377	377	376	376	376	374	374	377
1984	352	345	342	340	339	341	346	350	348	346	345	345	345
1985	341	338	338	342	348	357	357	358	360	360	362	362	352
1986	359	354	354	351	350	341	334	320	320	320	308	308	335
1987	308	306	304	302	302	300	300	300	300	299	299	299	302
1988[1]	299	299	302	305	309	310	307	310	309	310	310	310	307
PRODUCTION PER COW						Pounds							Total
1978	835	810	875	890	955	940	935	915	855	840	820	825	10,504
1984	915	915	935	920	985	975	955	920	890	870	870	885	11,029
1985	900	875	925	940	1,000	1,005	1,000	990	985	980	970	950	11,528
1986	970	940	970	970	1,010	1,000	980	970	930	935	950	950	11,579
1987[2]	1,025	985	1,010	1,025	1,055	1,040	1,025	995	975	975	975	985	12,066
1988[1]	980	1,000	1,020	1,035	1,045	1,020	1,050	1,030	1,000	1,010	1,040	1,050	12,267
TOTAL PRODUCTION						Million Pounds							Total
1978	317	307	332	337	360	354	352	344	321	320	307	309	3,960
1984	322	316	320	313	334	332	330	322	310	301	300	305	3,805
1985	307	296	313	321	348	359	357	354	355	353	351	344	4,058
1986	348	333	343	340	354	341	327	310	298	299	293	293	3,879
1987[2]	316	301	307	310	319	312	308	299	293	292	292	295	3,644
1988[1]	293	299	308	316	323	316	322	319	309	313	322	326	3,766

[1] Preliminary. [2] Revised.

U.S. Dairy Exports And Dairy Product Imports

	Dairy Exports Value (1,000 dol.)			Dairy Imports Value (1,000 dol.)	
	1985	1986	1987	Year	Imports
Dairy Products - total	432,496	440,495	483,798	1987	830,855
Evap. and conden. milk	5,748	4,273	2,150	1986	826,715
Nonfat dry milk	199,484	229,623	199,545	1985	764,717
Butter & anhyd milk fat	71,015	26,760	15,768	1984	772,934
Cheese	28,504	25,354	35,726	1983	701,387
Whey, fluid or dried	12,528	21,252	20,788	1982	682,382
Other dairy products	115,486	133,232	209,821		

IOWA MILK

Production And Disposition

Year	Production	Milk used on farms where produced			Milk marketed by farmers			
		Fed to calves	Consumed as milk, cream, and butter	Total	Sold to plants and dealers		Sold directly to consumers	Total
					As milk	As cream		
					Million pounds			
IOWA								
1978	3,960	78	55	133	3,805	9	13	3,827
1983	4,036	72	40	112	3,924	-	-	3,924
1984	3,805	144	50	194	3,611	-	-	3,611
1985	4,058	80	38	118	3,940	-	-	3,940
1986	3,879	87	42	129	3,750	-	-	3,750
1987[2]	3,644	83	41	124	3,520	-	-	3,520
1988[1]	3,766	86	40	126	3,640	-	-	3,640
UNITED STATES								
1978	121,609	1,499	1,174	2,673	117,293	104	1,538	118,935
1983	139,672	1,527	842	2,369	136,090	-	1,211	137,301
1984	135,450	2,134	804	2,938	131,371	-	1,141	132,513
1985	143,147	1,747	709	2,456	139,436	-	1,255	140,691
1986	144,080	1,870	690	2,559	140,306	-	1,214	141,521
1987[2]	142,557	1,606	656	2,263	139,092	-	1,202	140,294
1988[1]	145,527	1,615	621	2,235	142,118	-	1,173	143,292

[1] Preliminary.[2] Revised.

Value And Farm Income

Year	Milk sold to plants and dealers		Cash receipts from cream sold	Cash receipts from milk sold to consumer	Cash receipts from dairy	Value of milk consumed where produced	Gross farm income from dairy products
	Price per 100 lbs.	Cash receipts					
	Dollars	Thousand dollars					
IOWA							
1978	10.10	384,305	378	2,056	386,739	5,561	392,300
1983	13.20	517,968	-	-	517,968	5,280	523,248
1984	13.10	473,041	-	-	473,041	6,550	479,591
1985	12.20	480,680	-	-	480,680	4,636	485,316
1986	12.00	450,000	-	-	450,000	5,040	455,040
1987[2]	12.10	425,920	-	-	425,920	4,961	430,881
1988[1]	11.80	429,520	-	-	429,520	4,720	434,240
UNITED STATES							
1978	10.60	12,408,560	3,843	277,470	12,689,873	125,780	12,815,653
1983	13.58	18,484,507	-	272,423	18,756,930	115,894	18,872,823
1984	13.46	17,682,385	-	261,233	17,943,618	109,831	18,053,449
1985	12.75	17,778,640	-	284,321	18,062,961	92,329	18,155,290
1986	12.51	17,550,874	-	273,244	17,824,118	87,879	17,911,998
1987[2]	12.54	17,437,188	-	272,172	17,709,360	84,343	17,793,703
1988[1]	12.24	17,395,938	-	273,105	17,669,043	78,075	17,747,118

[1] Preliminary.[2] Revised.

Iowa Dairy Products: Quantity Manufactured, By Months

AMERICAN CHEESE (Whole Milk)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa						Thousand pounds							
1978	6,550	6,380	7,338	8,569	9,511	9,621	8,542	3,171	5,593	6,871	7,321	7,834	91,301
1984	8,678	8,247	9,105	8,496	9,967	9,532	9,244	9,039	8,188	8,252	7,921	8,827	105,496
1985	9,310	8,047	9,208	9,894	10,907	10,629	10,456	10,338	9,802	10,572	10,061	10,520	119,744
1986	9,998	9,138	10,318	10,850	11,298	10,037	10,000	9,285	8,979	8,766	8,238	9,529	116,436
1987	9,599	9,430	10,474	10,731	11,655	11,298	10,991	9,726	9,821	9,262	9,862	10,314	123,163
1988[1]	10,364	10,405	11,227	11,130	11,787	11,104	10,874	10,528	10,751	11,166	10,862	11,464	131,662
United States						Million pounds							
1978	161.1	154.2	182.6	189.6	208.7	208.0	179.6	165.6	146.4	156.7	151.4	170.3	2,074.2
1984	226.6	218.5	242.5	244.4	263.8	250.0	218.8	204.6	187.4	194.6	187.1	210.0	2,648.3
1985	219.5	200.5	232.0	253.0	273.5	266.2	259.0	246.3	216.9	229.1	221.9	236.6	2,854.4
1986	241.1	225.1	255.4	264.8	281.9	262.0	242.1	219.2	198.2	196.4	194.1	217.7	2,798.2
1987	220.6	208.6	237.1	245.2	262.2	245.9	235.3	205.9	201.8	214.1	207.4	232.6	2,716.7
1988[1]	223.5	221.5	248.2	248.9	253.1	241.2	232.5	208.8	208.5	220.9	214.5	235.0	2,756.6

COTTAGE CHEESE CURD

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa						Thousand pounds							
1978	731	709	858	778	837	813	955	879	828	831	800	644	9,633
1984	981	926	1,048	970	984	950	1,070	948	879	939	897	750	11,342
1985	905	848	982	1,004	984	956	987	1,034	961	941	975	877	11,454
1986	984	935	1,039	1,125	1,034	1,010	1,043	1,095	1,009	1,024	859	850	12,007
1987	936	952	1,077	883	1,013	1,008	983	994	935	987	898	902	11,568
1988[1]	933	969	1,005	1,009	1,031	1,045	1,035	1,084	1,042	977	952	892	11,974
United States						Million pounds							
1978	54.6	54.7	62.7	59.0	63.6	59.7	57.3	61.6	57.1	57.2	53.5	47.6	688.4
1984	48.6	50.5	53.4	51.7	53.5	53.4	52.9	53.9	48.9	51.0	46.1	42.2	606.2
1985	49.3	46.9	52.7	52.5	55.2	49.5	51.4	52.2	48.9	50.7	46.3	43.1	598.8
1986	49.5	47.5	51.3	52.7	54.7	51.6	53.7	51.8	49.4	49.8	44.8	43.3	600.1
1987	46.8	46.0	51.8	49.8	49.8	51.0	50.0	48.2	48.4	46.9	43.1	42.3	573.9
1988[1]	44.3	46.8	51.9	47.4	49.9	48.5	47.1	49.0	46.1	43.8	42.0	39.8	556.7

[1] Preliminary.

Iowa Dairy Products: Quantity Manufactured, By Months (Cont'd.)

ICE CREAM[1]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa						Thousand gallons							
1978	612	836	1,067	865	982	1,107	1,093	1,181	965	1,225	834	609	11,376
1984	1,058	1,402	1,608	1,627	1,588	1,934	1,931	1,814	1,547	1,493	1,410	1,335	18,747
1985	1,293	1,401	1,788	1,965	2,147	1,971	2,121	2,189	1,776	1,622	1,542	1,399	21,214
1986	1,502	1,679	1,752	2,061	2,286	2,394	2,602	2,679	2,077	2,123	1,409	1,562	24,126
1987	1,502	1,742	2,200	2,274	2,495	2,516	2,751	2,223	1,811	1,516	1,326	1,570	23,926
1988[2]	1,156	1,697	2,357	2,122	2,326	2,930	2,302	2,356	2,069	1,489	1,477	1,633	23,914
United States						Million gallons							
1978	52.8	56.7	71.0	65.3	73.8	85.6	79.9	84.5	70.9	65.4	57.3	52.0	815.1
1984	55.8	67.3	78.8	74.8	83.4	91.4	90.9	88.5	75.4	69.6	62.1	56.4	894.5
1985	62.0	60.8	74.4	76.1	86.3	90.2	95.9	90.0	77.1	70.5	59.5	58.6	901.4
1986	62.0	66.0	76.6	79.6	87.8	92.5	96.0	91.1	77.9	73.2	60.3	60.6	923.6
1987	61.4	70.5	81.3	82.1	85.8	97.5	97.1	88.8	79.4	66.6	59.7	61.2	931.4
1988[2]	56.7	65.5	79.7	74.9	81.5	94.0	88.7	89.6	74.4	63.1	57.5	56.1	881.5

ICE MILK[3]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa						Thousand gallons							
1978	210	262	413	409	607	662	657	661	463	314	260	209	5,127
1984	340	465	518	589	735	835	841	805	549	478	425	373	6,953
1985	394	456	570	734	888	821	974	826	605	583	396	350	7,597
1986	610	653	655	827	867	1,026	1,159	941	583	532	360	381	8,594
1987	676	876	1,065	1,002	1,025	1,130	1,060	779	692	646	401	426	9,778
1988[2]	539	652	1,385	982	1,304	1,332	1,173	1,137	825	598	538	541	11,006
United States						Million gallons							
1978	15.6	17.7	25.7	26.3	32.1	36.0	34.9	34.7	26.9	23.0	18.5	15.8	307.2
1984	17.0	20.5	24.5	25.2	30.5	33.7	33.3	32.1	24.6	22.9	18.9	16.8	299.8
1985	17.2	17.8	24.0	27.8	31.9	31.6	34.9	32.3	26.0	23.5	17.9	16.3	301.1
1986	19.0	19.5	25.8	28.9	32.6	33.8	35.1	32.3	26.1	24.4	18.3	18.9	314.7
1987	19.1	21.6	27.4	29.1	31.7	36.7	37.2	32.9	28.0	25.0	20.6	21.0	330.3
1988[2]	17.9	22.1	29.5	29.6	34.4	39.4	36.7	41.0	31.6	26.2	23.6	22.3	354.2

[1] Includes hard and soft-serve. [2] Preliminary. [3] Includes hard, soft-serve, freezer-made milk shake, and substandard frozen dessert.

Ice Milk Mix[1]: Quantity Manufactured, By Months

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa						Thousand pounds							
1978	136	159	261	290	402	442	425	426	312	219	170	134	3,376
1984	202	255	317	389	523	572	582	548	370	297	241	200	4,496
1985	210	250	360	474	589	541	649	549	416	346	227	195	4,816
1986	243	249	342	408	414	434	427	371	443	383	242	256	5,808
1987	351	451	568	587	674	741	715	539	444	402	278	259	6,009
1988	278	356	1,005	581	768	811	719	692	518	364	303	296	6,691
United States						Million pounds							
1978	9.6	10.6	15.7	6.1	20.2	22.3	21.6	21.5	16.6	14.4	11.6	10.1	190.4
1984	10.6	12.6	15.3	16.0	19.8	21.7	21.5	20.8	15.9	14.9	12.1	11.1	192.2
1985	10.7	11.4	15.6	18.6	21.3	20.7	23.2	21.2	17.1	15.8	12.0	10.9	198.6
1986	11.9	12.1	16.7	18.5	209	21.4	22.1	20.4	16.4	15.2	11.6	12.2	199.3
1987	12.0	13.1	17.3	18.7	20.6	23.2	23.7	21.1	17.6	15.8	13.1	13.3	209.4
1988	11.4	13.7	18.9	19.4	22.3	24.8	23.1	25.4	19.5	15.9	14.4	14.0	222.9

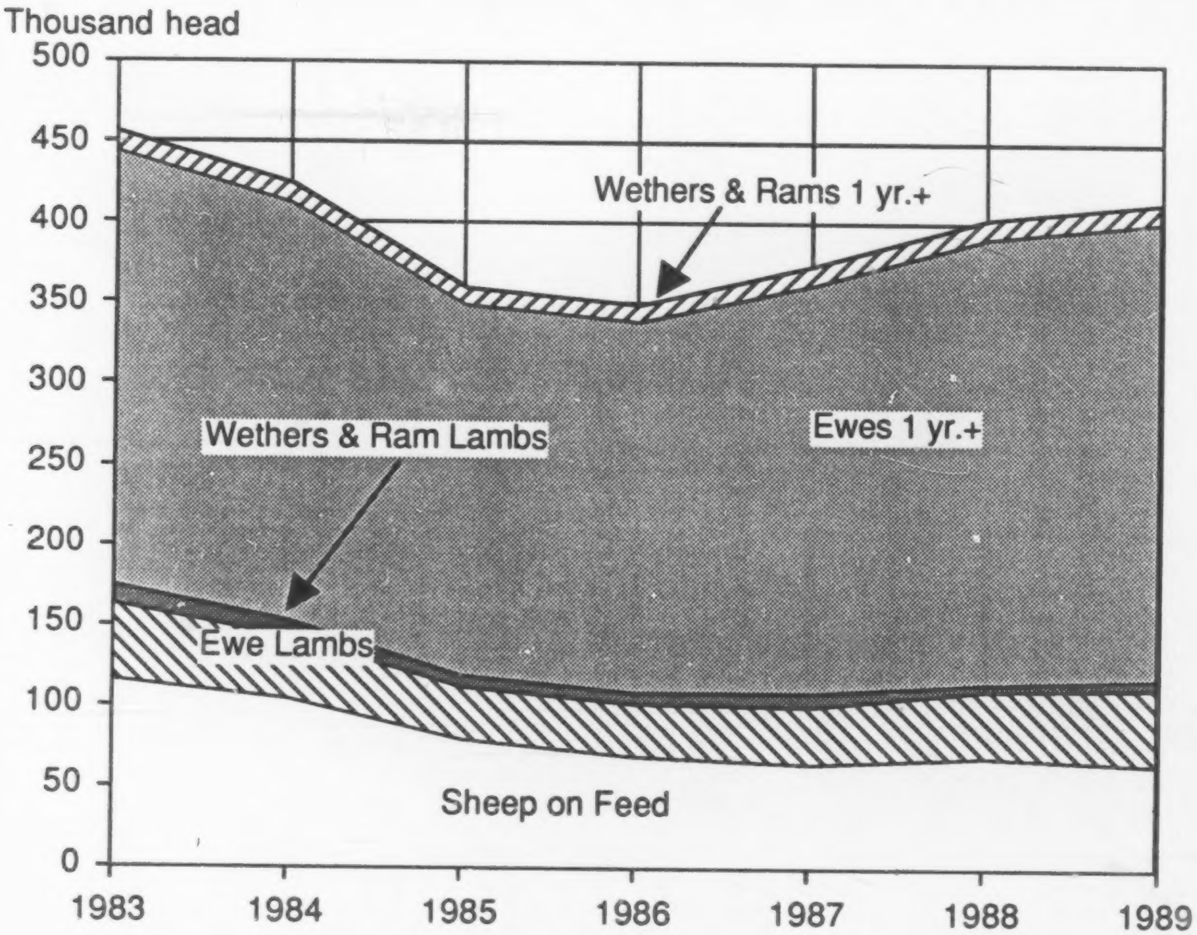
[1] Includes milk shake mix.. [2] Preliminary.

Iowa Non-Fat Dry Milk For Human Food: Quantity Manufactured (Spray And Roller Process), By Months

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa						Thousand pounds							
1978	7,197	6,531	7,846	7,511	8,688	9,002	7,657	6,326	5,202	4,136	3,273	4,143	77,512
1984	6,623	6,397	6,960	7,052	8,557	8,309	6,674	5,358	5,007	4,766	4,422	5,433	75,558
1985	5,743	5,990	7,385	8,345	10,194	10,469	10,214	10,158	7,384	7,215	6,654	7,402	97,153
1986	8,961	8,354	9,371	9,259	10,274	9,508	8,055	8,004	6,344	6,193	5,265	5,293	94,881
1987	5,369	5,173	6,970	8,155	9,165	8,748	7,287	5,823	5,384	5,984	5,519	6,853	80,430
1988[1]	6,531	6,328	6,667	7,026	7,688	7,725	7,217	4,803	3,956	3,204	2,759	4,711	68,615
United States						Million pounds							
1978	77.0	68.7	84.4	94.7	103.6	114.9	97.2	75.7	57.5	48.1	42.7	55.8	920.4
1984	106.8	98.9	108.0	113.9	125.2	116.0	106.2	87.4	70.8	71.2	68.2	88.1	1,160.7
1985	87.6	89.4	104.5	123.1	142.3	143.0	139.7	132.7	106.8	108.3	96.7	115.8	1,390.0
1986	122.4	113.9	127.2	139.0	147.4	133.7	110.9	90.4	74.3	68.8	66.7	89.4	1,284.1
1987	82.0	79.1	92.6	107.7	122.6	109.2	99.5	80.4	65.7	64.7	65.5	90.0	1,059.0
1988[1]	85.8	85.9	95.3	106.1	106.6	104.3	80.1	68.1	59.2	56.9	54.3	75.8	978.5

[1] Preliminary.

Iowa Sheep And Lambs: Inventory By Class, January 1



Iowa Sheep And Lambs: Number On Farms And Value, January 1

Year	All sheep and lambs			Stock sheep				
	Number on farms	Total value	Number on feed	Total	Ewe lambs	Wethers & ram lambs	Ewes 1 yr.+	Wethers & rams 1 yr.+
	Thou. head	Thou. $$	Thousand head					
1983	457	22,850	117	340	47	12	270	11
1984	425	20,400	105	320	39	9	260	12
1985	360	20,520	80	280	33	7	230	10
1986	350	25,200	70	280	33	7	230	10
1987	375	28,875	65	310	36	8	255	11
1988	405	40,095	70	335	41	5	277	12
1989[1]	415	34,653	65	350	48	5	285	12

[1] Preliminary.

IOWA SHEEP AND LAMBS

Inventory, Supply and Disposition

Year	Inventory January 1	Lamb Crop	Inshipments	Marketings Sheep	Marketings Lambs	Farm Slaughter	Sheep and Lamb Deaths
	Thousand head						
Iowa							
1978	370	259	68	30	210	2	75
1984	425	320	64	46	320	3	80
1985	360	310	89	19	322	1	67
1986	350	330	91	10	314	1	71
1987	375	330	83	10	304	1	68
1988[1]	405	350	69	10	336	1	62
U.S.							
1978	12,395	7,927	2,148	1,439	6,529	174	1,962
1984	11,487	7,773	1,848	1,805	6,994	141	1,724
1985	10,443	7,412	1,693	1,569	6,478	135	1,383
1986	9,983	7,356	1,792	1,310	6,084	128	1,275
1987	10,334	7,230	1,991	1,276	6,157	112	1,236
1988[1]	10,784	7,123	1,531	1,397	5,937	99	1,202

[1] Preliminary.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	Thousand head												
Iowa													
1978	18.1	17.5	20.5	12.5	16.6	19.7	20.0	21.9	23.5	24.3	23.7	25.3	243.7
1984	64.5	72.4	71.1	64.8	71.3	58.8	68.6	74.5	66.1	75.0	71.1	74.1	832.4
1985	79.4	60.8	66.9	58.4	47.6	47.7	64.4	73.9	84.5	99.9	83.1	73.6	840.1
1986	62.1	46.7	54.5	39.5	36.8	46.8	36.4	40.6	41.7	44.3	34.3	37.0	520.5
1987	35.4	35.6	35.7	33.8	36.8	43.8	46.0	43.1	47.7	52.3	42.1	45.2	497.5
1988[1]	39.7	42.6	50.2	35.0	51.2	44.0	46.7	52.5	53.6	56.2	46.8	47.7	566.3
U.S.													
1978	437.6	401.7	501.9	449.4	467.7	457.2	423.0	458.8	454.6	475.7	430.2	411.1	5,368.9
1984	553.3	561.3	600.5	615.8	573.4	516.4	528.7	583.1	547.6	608.0	540.6	530.4	6,759.0
1985	556.8	483.8	578.0	533.4	508.9	438.0	502.5	516.6	497.1	570.4	475.3	504.4	6,165.2
1986	518.0	451.6	540.4	492.5	431.6	419.5	449.5	443.6	510.8	510.5	412.8	454.3	5,635.0
1987	428.1	399.6	442.6	496.4	373.5	420.3	426.0	415.9	474.4	460.2	411.6	451.0	5,199.6
1988[1]	389.3	416.7	548.1	404.6	427.4	427.7	405.0	461.5	469.0	452.1	431.9	459.7	5,293.0

[1] Preliminary.

IOWA SHEEP AND LAMBS

Production And Income

Year	Production	Marketings	Average Price per 100 pounds Sheep	Lambs	Value of Production	Cash Receipts	Value of home consumption	Gross income
	Thousand pounds		Dollars		Thousand dollars			
IOWA								
1978	21,597	25,946	17.30	60.30	12,334	14,059	219	14,278
1984	28,924	40,528	15.90	61.90	17,445	22,484	360	22,844
1985	30,487	37,731	23.70	67.10	19,729	24,303	65	24,368
1986	33,099	36,547	28.30	69.80	21,744	25,008	135	25,143
1987	33,451	35,530	29.60	74.80	23,003	26,030	73	26,103
1988[1]	35,511	39,146	22.80	65.20	22,165	25,010	63	25,073
U.S.								
1978	686,869	837,841	21.80	62.80	381,621	452,935	12,223	464,158
1984	692,185	941,196	16.40	60.10	375,584	465,450	11,129	476,579
1985	694,217	868,942	23.90	67.70	427,805	503,202	12,768	515,970
1986	721,464	809,588	28.30	69.80	443,899	483,768	12,709	496,477
1987[2]	728,863	799,111	29.50	77.60	489,109	546,079	13,112	559,191
1988[1]	703,249	805,909	25.60	69.10	418,550	473,423	10,633	484,056

[1] Preliminary. [2] Revised.

Wool Production And Income

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value
	Thousand head	Pounds	Thousand pounds	Cents	Thousand dollars
IOWA					
1978	412	7.1	2,909	69	2,007
1984	470	6.9	3,262	54	1,761
1985	415	6.9	2,848	42	1,196
1986	435	7.0	3,054	45	1,374
1987	495	6.9	3,424	55	1,883
1988[1]	525	7.0	3,701	74	2,739
U.S.					
1978	12,608.8	8.08	101,874	74.5	75,883
1983	12,864.9	8.00	102,886	61.2	62,978
1984	12,284.3	7.77	95,471	79.5	75,876
1985	11,158.0	7.88	87,941	63.3	55,657
1986[2]	10,852.0	7.82	84,829	66.8	56,595
1987[2]	10,921.0	7.75	84,669	91.7	77,109
1988[1]	11,465.0	7.78	89,235	1.38	124,644

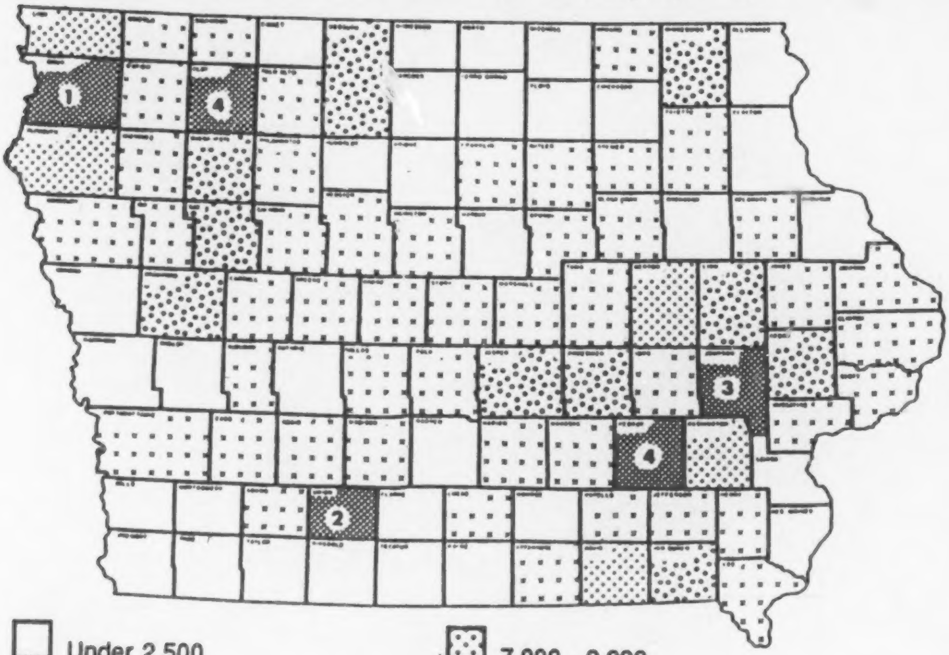
[1] Preliminary. [2] Revised.

Iowa Sheep And Lambs: January 1, 1989 Inventory And Grain Fed Marketings During 1988

County and District	Inventory 1989	Marketings 1988
	Number of head	
Buena Vista	6,700	5,700
Cherokee	4,800	4,000
Clay	10,500	8,000
Dickinson	4,700	3,700
Emmet	1,900	1,700
Lyon	8,600	6,700
O'Brien	4,600	3,700
Osceola	4,500	3,500
Palo Alto	4,200	3,700
Plymouth	7,900	6,500
Pocahontas	2,600	2,300
Sioux	33,000	25,500
NW District	94,000	75,000
Butler	4,300	3,500
Cerro Gordo	1,700	1,400
Floyd	1,300	1,000
Franklin	2,600	2,000
Hancock	2,100	1,700
Humboldt	1,900	1,600
Kossuth	5,400	4,500
Mitchell	1,600	1,300
Winnebago	1,500	1,200
Worth	1,800	1,400
Wright	1,800	1,400
NC District	26,000	21,000
Allamakee	2,300	2,000
Black Hawk	3,200	2,900
Bremer	2,800	2,300
Buchanan	2,300	2,000
Chickasaw	1,400	1,200
Clayton	2,000	1,600
Delaware	2,700	2,500
Dubuque	1,900	1,600
Fayette	4,300	3,800
Howard	3,600	3,100
Winneshiek	5,500	5,000
NE District	32,000	28,000
Audubon	2,800	2,200
Calhoun	4,300	3,400
Carroll	4,300	3,500
Crawford	5,900	4,800
Greene	4,300	3,500
Guthrie	2,000	1,600
Harrison	1,500	1,100
Ida	2,600	2,200
Monona	1,500	1,100
Sac	5,800	4,800
Shelby	2,000	1,500
Woodbury	4,000	3,300
WC District	41,000	33,000
Boone	4,300	3,700
Dallas	2,500	2,000
Grundy	4,500	3,500
Hamilton	3,200	2,600
Hardin	2,300	1,900
Jasper	5,900	4,900

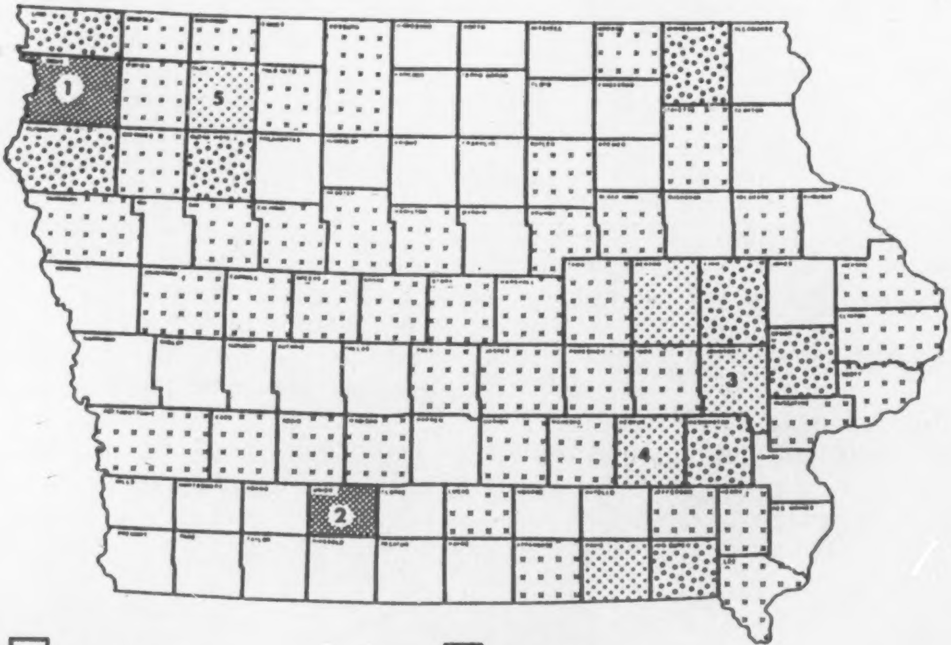
County and District	Inventory 1989	Marketings 1986
	Number of head	
Marshall	4,700	3,900
Polk	3,000	2,500
Poweshiek	5,500	4,700
Story	4,300	3,500
Tama	4,900	4,300
Webster	2,900	2,500
C District	48,000	40,000
Benton	8,700	7,500
Cedar	6,400	5,800
Clinton	3,900	3,400
Iowa	3,800	3,500
Jackson	2,900	2,700
Johnson	11,000	9,800
Jones	2,500	2,200
Linn	6,700	5,700
Muscatine	3,200	2,900
Scott	2,900	2,500
EC District	52,000	46,000
Adair	3,300	2,600
Adams	2,600	2,100
Cass	3,500	2,900
Fremont	1,800	1,500
Mills	1,000	800
Montgomery	2,100	1,700
Page	1,800	1,500
Pottawattamie	3,500	2,800
Taylor	1,400	1,100
SW District	21,000	17,000
Appanoose	4,200	3,500
Clarke	2,100	1,700
Decatur	1,900	1,600
Lucas	3,100	2,500
Madison	4,700	4,100
Marion	3,300	2,700
Monroe	2,100	1,800
Ringgold	1,900	1,700
Union	17,500	15,000
Warren	1,900	1,500
Wayne	2,300	1,900
SC District	45,000	38,000
Davis	9,000	7,500
Des Moines	2,200	1,900
Henry	4,100	3,700
Jefferson	4,100	3,600
Keokuk	10,500	8,600
Lee	3,700	3,200
Louisa	1,700	1,500
Mahaska	4,000	3,500
Van Buren	6,600	5,600
Wapello	2,600	2,400
Washington	7,500	6,500
SE District	56,000	48,000
State	415,000	346,000

Iowa Sheep: Number On Farms January 1, 1989



☐ Under 2,500
⁘ 2,500 - 4,999
⁙ 5,000 - 6,999
▒ 7,000 - 9,999
▓ 10,000 & over
Nos., 5 leading counties

Iowa Grain Fed Sheep Marketed: Number Marketed 1988



☐ Under 2,500
⁘ 2,500 - 4,999
⁙ 5,000 - 6,999
▒ 7,000 - 9,999
▓ 10,000 & over
Nos., 5 leading counties

1988 Poultry Summary

IOWA

Chicken inventories in the state totaled 10.1 million birds on hand December 1, 1988 and represented a 20 percent increase from the same date a year ago. Average number of layers on hand during 1988 was 7.76 million, 26 percent above the 6.18 million birds during 1987. Production per bird at 255 eggs was up from 248 in 1987. Total egg production for 1987 was 1,979 million eggs, 29 percent above the last year. Value of production from eggs increased in 1988 to $62.2 million from $50.0 million in 1987. The eggs produced brought an average of 37.7 cents per dozen, down from the 39.1 cents received in 1987.

Iowa hatcheries produced an estimated 20.376 million egg-type chicks during 1988, down 3 percent from the 20.907 million produced in 1987.

Turkey producers in Iowa raised 7.8 million turkeys in 1988, down from the 8.5 million turkeys in 1987. Average price received for the turkeys produced was 40.0 cents per pound, up 5 cents from last year. Gross income totaled $74.880 million; this was up 10 percent from the $67.830 million in gross income last year.

UNITED STATES

Combined value of production from eggs, broilers and turkeys and the value of sales from chickens in 1988 was $12.5 billion, up 12 percent from the $11.2 billion in 1987. Of the combined total, 59 percent was from broilers, 24 percent from eggs, 16 percent from turkeys, and 1 percent from other chickens.

Value of egg production in 1988 was $3.06 billion, down 4 percent from the $3.18 billion in 1987. In 1988, eggs averaged 52.8 cents per dozen, compared with 54.9 cents in 1987.

The value of sales from chickens (excluding broilers) in 1988 was $96.3 million, down 14 percent from the $112 million a year ago. Prices averaged 9.2 cents per pound live weight compared with 11.0 in 1987.

The value of broilers produced during 1988 was $7.43 billion, up 20 percent from the $6.18 billion in 1987. The total number of broilers produced in 1988 was 5.24 billion, up 5 percent from 1987. Prices in 1988 averaged 33.1 cents per pound on a live weight equivalent basis, compared with 28.7 cents during 1987.

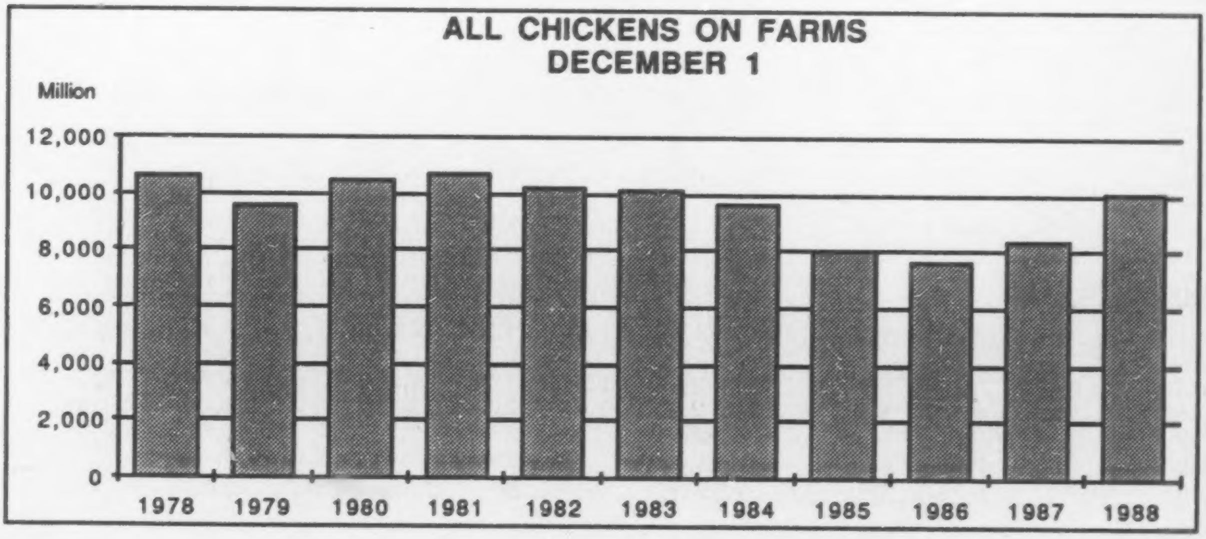
The value of turkeys produced during 1988 was $1.95 billion, up 15 percent the $1.70 billion the previous year. Turkey production in 1988 totaled 5.07 billion pounds live weight, compared with 4.89 billion pounds in 1987. Prices received by producers during 1988 averaged 38.6 cents per pound of live weight, compared with 34.8 cents a year earlier.

IOWA CHICKENS

Number On Farms December 1, Rate of Lay And Egg Production

Year	Chickens on farms, December 1			Average number of layers during year	Annual rate of lay per hen	Total egg production
	All chickens[1]	Value	Hens and pullets of laying age			
	Thousand head	Thousand dollars	----- Thousand birds -----		Number of eggs	Million eggs
IOWA						
1978	10,700	17,655	8,400	8,152	235	1,914
1984	9,700	17,945	7,100	7,444	238	1,769
1985	8,100	14,175	6,200	6,546	244	1,600
1986	7,700	14,630	6,000	5,845	247	1,441
1987	8400	13,440	6,800	6,175	248	1,534
1988[2]	10,100	17,675	8,520	7,759	255	1,979
U.S.						
1978	396,933	696,019	293,306	281,544	239	67,157
1984	374,008	754,312	285,848	278,022	245	68,230
1985	368,548	700,150	279,769	276,680	247	68,407
1986	368,681	690,165	280,140	276,870	247	68,514
1987[3]	377,727	706,131	285,764	280,564	248	69,531
1988[2]	355,489	725,016	275,352	277,050	251	69,476

[1] Excluding commercial broilers. [2] Preliminary. [3] Revised.



Average Number Of Hens And Pullets Of Laying Age On Farms, By Months

Year	Dec.[1]	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Avg.
IOWA						Thousand birds							
1978	8,275	8,400	8,325	8,150	8,025	8,125	8,075	7,950	8,100	8,100	8,050	8,250	8,152
1984	7,650	7,520	7,470	7,650	7,600	7,415	7,265	7,201	7,325	7,451	7,475	7,300	7,498
1985	7,180	7,045	6,921	6,628	6,543	6,511	6,351	6,270	6,276	6,341	6,291	6,200	6,547
1986	6,151	6,050	5,950	5,900	5,851	5,801	5,681	5,653	5,708	5,711	5,785	5,910	5,846
1987	6,130	6,205	6,125	6,101	6,100	6,076	6,010	5,970	6,085	6,300	6,400	6,600	6,175
1988[3]	7,050	7,425	7,585	7,610	7,625	7,630	7,715	7,910	7,950	8,013	8,203	8,400	7,759
UNITED STATES						Million birds							
1978	287	286	282	280	279	278	276	275	277	281	286	291	282
1984	278	277	277	278	277	276	276	275	276	279	281	284	278
1985	286	284	280	278	274	271	269	271	273	275	278	280	277
1986[2]	234	234	233	232	230	229	227	227	227	229	232	233	231
1987[2]	234	236	236	235	233	231	229	229	231	234	236	238	234
1988[2,3]	239	239	238	235	232	229	226	225	226	228	230	231	232

[1] December preceding year. [2] Totals are for 20 states, not U.S. [3] Preliminary.

Number Of Eggs Per 100 Layers, By Months

Year	Dec.[1]	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.
IOWA												
1978	1,978	1,993	1,831	2,040	1,977	1,978	1,842	1,959	2,000	1,908	1,984	1,974
1984	1,987	2,035	1,928	2,039	1,947	1,982	1,927	2,000	1,925	1,906	2,074	2,014
1985	2,131	2,115	1,893	2,082	2,002	2,089	2,059	2,057	1,992	1,956	2,051	2,000
1986	2,065	2,050	1,866	2,153	2,068	2,103	2,042	2,087	2,102	2,014	2,057	2,047
1987	2,170	2,160	1,943	2,147	2,000	2,041	2,013	2,094	2,054	1,984	2,125	2,106
1988[3]	2,113	2,074	2,057	2,300	2,177	2,189	2,009	2,111	2,164	2,109	2,182	2,204
UNITED STATES												
1978	2,021	2,009	1,808	2,034	1,993	2,061	1,979	2,016	2,012	1,954	2,012	1,956
1984	2,078	2,054	1,925	2,084	2,032	2,079	1,999	2,086	2,088	2,014	2,080	2,022
1985	2,109	2,092	1,887	2,138	2,067	2,112	2,034	2,090	2,087	2,018	2,069	2,020
1986[2]	2,106	2,097	1,900	2,126	2,049	2,114	2,059	2,095	2,093	2,028	2,091	2,051
1987[2]	2,126	2,095	1,896	2,145	2,080	2,109	2,032	2,095	2,077	2,020	2,098	2,047
1988[2,3]	2,123	2,117	1,996	2,156	2,071	2,119	2,049	2,115	2,115	2,040	2,119	2,070

[1] December preceding year. [2] Totals are for 20 states, not U.S. [3] Preliminary.

Iowa Chickens: Production And Income

Year	Pounds Sold	Price per pound	Cash receipts
	Thousand pounds	Cents	Thousand $$
1978	24,045	8.3	1,996
1984	27,650	12.6	3,484
1985	17,500	11.6	2,030
1986	15,750	11.9	1,874
1987	17,500	10.9	1,908
1988[1]	18,900	9.5	1,796

[1] Preliminary.

Iowa Broilers: Commercial Production And Income

Year	Number produced	Weight per bird	Total lbs. produced	Price per pound	Gross income
	Thousand	Pounds	Thousand pounds	Cents	Thousand $$
1978	3,425	6.5	22,263	44.0	9,796
1984	2,100	8.0	16,800	36.0	6,048
1985	2,000	8.5	17,000	32.0	5,440
1986	2,700	8.5	22,950	33.0	7,574
1987	2,600	9.0	23,400	27.0	6,318
1988[1]	3,000	9.0	27,000	32.0	8,640

[1] Preliminary.

IOWA EGGS

Production And Income

Year	Eggs Produced	Price per dozen	Gross income
	Million eggs	Cents	Thousand $$
1978	1,914	38.8	61,142
1984	1,769	61.0	89,924
1985	1,600	44.4	59,200
1986	1,441	48.8	58,601
1987	1,534	39.1	49,983
1988[1]	1,979	37.7	62,174

[1] Preliminary.

Number Produced, By Month

Year	Dec[1].	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sep.	Oct.	Nov.	Total
						Million eggs							
1978	164	167	152	166	159	161	149	156	162	155	160	163	1,914
1984	152	153	144	156	148	147	140	144	141	142	155	147	1,769
1985	153	149	131	138	131	136	131	129	125	124	129	124	1,600
1986	127	124	111	127	121	122	116	118	120	115	119	121	1,441
1987	133	134	119	131	122	124	121	125	125	125	136	139	1,534
1988[1]	149	154	156	175	166	167	155	167	172	169	179	170	1,979

[1] Previous year. [2] Preliminary.

December 1, 1988 United States Chicken Inventory

State	Hens 1 year and older	Pullets of laying age	Pullets 3 months old and older not of laying age	Pullets under 3 months of age	Other chickens	Total
	Thousands					
ALA	4,270	5,695	1,855	2,075	775	14,670
ALAS	3	1	1	0	0	5
ARIZ	200	100	3	1	6	310
ARK	6,138	7,955	3,113	3,198	1,031	21,435
CALIF	18,400	13,400	2,200	2,600	200	36,800
COLO	1,570	1,605	310	498	3	3,986
CONN	2,598	1,590	754	650	8	5,600
DEL	193	415	235	76	67	986
FLA	7,510	3,830	1,260	1,160	130	13,890
GA	5,947	12,240	1,981	2,606	813	23,587
HAW	633	372	135	77	0	1,217
IDAHO	465	405	245	156	9	1,280
ILL	1,190	2,000	340	200	30	3,760
IND	6,300	15,650	2,450	3,350	50	27,800
IOWA	3,620	4,900	740	800	40	10,100
KANS	550	1,120	250	320	10	2,250
KY	850	960	70	330	40	2,250
LA	740	640	330	295	95	2,100
MAINE	2,737	1,973	874	835	6	6,425
MD	1,054	2,484	241	970	72	4,821
MASS	417	541	38	182	24	1,202
MICH	2,200	3,600	570	1,000	30	7,400
MINN	4,500	4,500	1,000	1,645	55	11,700
MISS	2,918	2,387	1,050	1,332	416	8,103
MO	3,100	2,800	830	1,100	70	7,900
MONT	285	405	84	131	5	910
NEBR	1,740	1,840	185	370	15	4,150
NEV	9	4	2	1	1	17
NH	102	108	50	46	3	309
NJ	735	965	25	120	5	1,850
N MEX	605	477	123	112	3	1,320
NY	1,600	2,550	410	470	20	5,050
NC	4,710	9,700	2,535	2,050	760	19,755
N DAK	132	108	7	4	4	255
OHIO	7,000	10,450	2,740	2,780	30	23,000
OKLA	1,445	2,310	350	400	145	4,650
OREG	1,460	1,040	60	470	20	3,050
PA	6,700	13,300	1,560	2,710	130	24,400
RI	128	53	39	21	1	242
SC	2,030	3,145	740	1,055	80	7,050
S DAK	640	630	95	131	4	1,500
TENN	730	1,000	150	130	60	2,070
TEX	7,100	6,600	1,490	2,500	510	18,200
UTAH	1,237	631	202	186	4	2,260
VT	42	116	34	16	1	209
VA	1,748	1,919	504	433	167	4,771
WASH	2,768	2,106	609	590	12	6,085
W VA	271	196	112	116	35	640
WIS	1,450	1,750	345	490	25	4,060
WYO	9	7	1	1	1	19
US	122,779	152,573	33,327	40,789	6,021	355,489

Iowa Egg-Type Chicks Hatched

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
						Thousand birds							
1978	1,245	1,448	1,637	2,121	2,460	2,211	1,095	1,552	1,730	1,208	1,603	1,173	19,483
1984	2,096	1,551	1,912	2,089	2,175	2,218	1,758	1,174	1,506	815	1,397	1,137	19,828
1985	1,206	1,209	1,207	2,253	2,140	1,766	1,369	1,338	1,409	1,260	1,529	1,428	18,114
1986	1,153	1,457	1,524	1,971	2,118	1,829	1,433	1,073	1,860	1,524	1,231	1,359	18,532
1987	1,645	1,773	1,730	2,302	2,139	1,740	1,836	1,792	1,553	1,491	1,494	1,412	20,907
1988[1]	1,457	1,626	1,744	1,695	2,057	1,934	1,547	1,695	1,850	1,861	1,434	1,476	20,376

[1] Preliminary.

U.S. Egg-Type Chicks Hatched

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
						Thousands							
1978	36,891	36,906	46,805	50,886	53,675	45,631	35,818	38,556	37,180	37,715	35,637	35,878	491,578
1984	36,923	37,451	45,697	47,926	49,005	46,545	38,424	34,824	33,113	31,372	30,142	27,099	458,530
1985	28,289	28,419	36,923	40,873	38,967	33,838	32,094	32,503	33,568	33,593	33,606	34,164	406,837
1986	34,538	34,826	39,523	42,359	42,465	37,253	33,575	33,382	32,638	32,444	27,456	33,262	423,721
1987	34,156	35,815	41,708	42,356	40,858	37,256	33,375	34,667	31,800	33,959	30,593	31,242	427,785
1988[1]	29,274	28,433	35,615	24,749	35,984	33,049	24,876	27,838	30,918	31,007	29,425	27,181	368,349

[1] Preliminary

Turkeys: Poults Hatched, By Months And Region, 1988, And U.S., 1987-88

Month	United States			East North Central	West North Central	North & South Atlantic	South Central	West
	1987	1988	1988 as percent of 1987			1988		
	---- Thousand ----			---- Thousand ----				
Jan.	21,646	22,315	103	2,323	6,537	7,501	2,503	3,451
Feb.	21,265	23,100	109	2,596	7,250	7,177	2,706	3,371
Mar.	25,401	25,101	99	3,000	8,358	7,530	2,585	3,628
Apr.	26,703	24,718	93	2,720	8,179	7,570	2,617	3,632
May	26,623	25,559	96	2,907	8,349	8,067	2,577	3,659
June	27,265	26,075	96	3,220	8,531	7,719	2,620	3,985
July	25,999	23,677	91	2,795	6,781	7,984	2,148	3,969
Aug.	19,889	19,458	98	2,262	5,314	7,016	1,666	3,200
Sep.	15,024	15,725	105	1,900	4,408	5,557	1,304	2,556
Oct.	16,743	16,821	100	2,343	4,508	6,079	1,404	2,487
Nov.	17,714	18,413	104	2,345	4,798	6,190	2,186	2,894
Dec.	19,956	20,444	102	2,779	5,105	7,265	2,228	3,067
Total	264,228	261,406	99	31,190	78,118	85,655	26,554	39,899

TURKEYS: PRODUCTION AND VALUE, JANUARY 1

Iowa

Year	Number raised during year – All breeds[1]	Total weight[2]	Price per pound	Value of production
	Thousand	Thousand lbs.	Cents	Thousand $$
1978	6,259	134,569	43.8	58,941
1984	5,800	132,820	46.0	61,097
1985	6,300	129,797	46.0	67,234
1986	7,000	161,000	45.0	72,450
1987	8,500	193,800	35.0	67,830
1988	7,800	187,200	40.0	74,880

United States

Year	Number raised during during year – All breeds[1]	Total weight[2]	Price per pound	Value of production
	Million	Million lbs.	Cents	Thousand $$
1978	138.9	2,655	43.6	1,157,200
1983	170.7	3,335	38.0	1,269,051
1984	171.3	3,385	48.9	1,655,463
1985	185.3	3,702	49.1	1,818,743
1986	206.7	4,142	47.1	1,951,570
1987	240.3	4,888	34.8	1,701,137
1988	242.0	5,069	38.6	1,954,750

[1] Does not include young turkeys lost. [2] Includes home consumption.

HONEY PRODUCTION FOR IOWA AND OTHER LEADING STATES, 1988[1]

State	Number of colonies	Yield per colony	Production	Stocks Dec. 15[2]	Average price per pound	Value of production
	Thousand	Pounds	Thousand pounds		Cents	Thousand $$
Alabama	42	42	1,764	247	67	1,182
Arizona	73	49	3,577	644	50	1,789
California	520	40	20,800	1,872	48	9,984
Colorado	48	83	3,984	837	53	2,112
Florida	240	105	25,200	2,385	51	12,852
Georgia	115	41	4,715	283	55	2,593
Idaho	112	53	5,936	1,009	43	2,552
Iowa	49	129	6,321	1,580	48	2,034
Kansas	42	69	2,898	319	44	1,275
Michigan	83	73	6,059	1,272	52	3,151
Minnesota	150	129	19,350	1,935	45	8,708
Missouri	30	80	2,400	1,008	59	1,416
Montana	105	48	5,040	151	47	2,369
Nebraska	113	96	10,848	1,410	43	4,665
New York	94	59	5,546	1,109	69	3,827
N. Dakota	230	66	15,180	1,518	47	7,135
Ohio	50	48	24,400	744	76	1,824
Oregon	60	52	3,120	499	57	1,778
Pennsylvania	45	46	2,070	683	66	1,366
S. Dakota	245	74	18,130	2,901	45	8,159
Texas	114	76	8,664	780	46	3,985
Washington	65	47	3,055	306	44	1,344
Wisconsin	82	99	8,118	1,867	48	3,897
Wyoming	39	73	2,847	370	53	1,509
U.S.	3,186	66.4	211,511	31,172	50.1[3]	107,161

[1] Preliminary. [2] Does not include stocks under loan. [3] Weighted by sales.

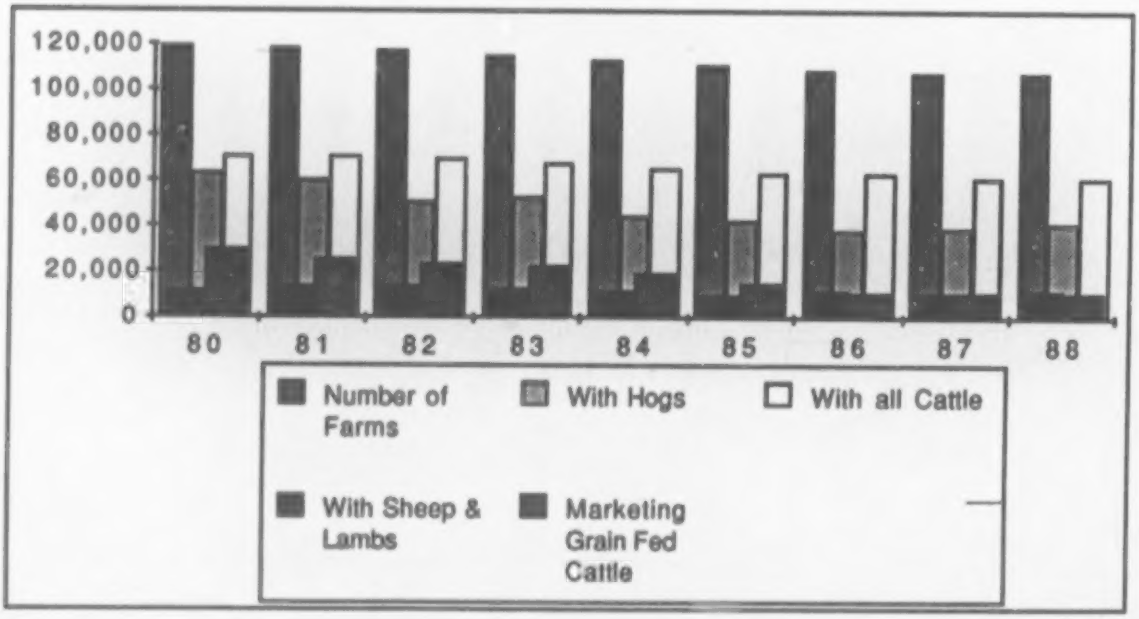
Iowa Farms With Livestock Percent[1] Of All Farms

Year	Number of farms	Farms with hogs		Farms with sheep and lambs	
	Number	Number	Pct.	Number	Pct.
1980	119,000	64,000	54	12,500	11
1981	118,000	60,000	51	14,000	12
1982	117,000	51,000	44	14,000	12
1983	115,000	53,000	46	13,000	11
1984	113,000	45,000	40	12,500	11
1985	111,000	43,000	39	10,500	9
1986	109,000	38,000	35	12,000	11
1987	107,000	39,000	36	11,000	10
1988[2]	107,000	41,000	38	12,000	11

Year	Farms marketing grain fed cattle		Farms with milk cows		Farms with cattle and calves		Farms with beef cows[3]	
	Number	Pct.	Number	Pct.	Number	Pct.	Number	Pct.
1980	30,000	25	14,000	12	71,000	60		
1981	26,000	22	14,000	12	71,000	60		
1982	24,000	21	13,000	11	70,000	60		
1983	23,000	20	12,000	10	68,000	59		
1984	19,000	17	11,000	10	66,000	58		
1985	15,500	14	10,500	9	64,000	58		
1986	11,500	11	10,000	9	63,000	58	38,000	36
1987	11,000	10	9,500	9	61,000	57	35,000	33
1988[2]	11,500	11	9,000	8	61,000	57	35,000	33

[1] Percent computed on the number of all farms January 1 of the following year. [2] Preliminary.
[3] Series started in 1986.

Iowa Livestock Operations: By Specie



FARM RECEIPTS and PRICES

SIOUX CITY
SIOUX CITY

1988 Iowa Farm Receipts And Prices

Index - Prices Received

The Iowa index of prices received for all farm products for 1988 averaged 127 (1977=100), an increase of 10 percent from the average of 115 in 1987. High cattle and grain prices offset the lower hog prices, resulting in the overall gain for 1988. The high for the year was 135 in July and August, and the low was 115 in January.

The all-crop index averaged 109 (1977=100), 47 percent above the 74 in 1987. the index began the year at 83 in January and finished the year in December at 119. the high for the year was 129 in July, and the low was 83 in January.

The livestock and livestock products index averaged 139 (1977=100), 2 percent below the 142 in 1987. The high for the year was 144 in May and June, and the low was 134 in November.

Cash Receipts

Iowa farmers continued third in total cash receipts, excluding government payments, in 1988. The state ranked third in livestock and livestock products and fourth in crop receipts. Iowa farmers sold farm commodities worth $9.07 billion in 1988, ahead of the $8.78 billion in 1987. Livestock and livestock products contributed 56 percent and crops 44 percent of the total receipts for 1988.

Livestock and Livestock Product Receipts and Prices

Livestock and livestock product receipts at $5.05 billion was 4 percent below the $5.27 billion in 1987. Steer and heifer prices averaged $70.20 per hundredweight in 1988, up 9 percent from $64.40 in 1987. The average price ranged from a high of $73.40 in May to a low of $65.60 in July.

Barrow and gilt price averaged $43.90 per hundredweight, down from $52.50 in 1987 and is the lowest annual price since 1981 when the barrows and gilt price was shown separate from the all hogs price. Prices ranged from a high of $49.90 in June to a low of $37.40 in November.

Lamb prices averaged $65.20 per hundredweight in 1988, down from the record high $74.80 set in 1987. Prices ranged from a high of $79.20 in January to a low of $56.90 in August. Wool prices averaged 74 cents per pound in 1988 compared to 55 cents per pound in 1987.

Milk prices for all milk averaged $11.80 per hundredweight in 1988, down 30 cents from the $12.10 in 1987. Average monthly prices ranged from a low of $10.80 in June and July, to a high of $13.40 in December.

Market egg average prices ranged from a high of 53.0 cents in September, to a low of 23.5 cents in May.

Crop Receipts[1]

Iowa farmers received $4.03 billion from the sale of crops in 1988. This is 15 percent above the $3.51 billion received in 1987 and does not include any government payments for set-aside acres, deficiency payments, or CCC forfeitures. Government payments in 1988 totaled $1.67 billion second only to last year's (1987) record $1.99 billion.

The preliminary marketing year average price received for corn in 1987-88 was $2.45 per bushel. The marketing year began with $1.36 per bushel in September and ended with $2.57 per bushel in August. During the 1988 calendar year, average monthly prices ranged from a high of $2.66 per bushel in July to a low of $1.66 in January.

The preliminary marketing year average price for soybeans in 1987-88 was $7.50. The marketing year began with $4.89 per bushel in September and ended with $8.23 per bushel in August. The average monthly prices for the 1988 calendar year ranged from a high of $8.34 per bushel in July to a low of $5.54 per bushel in January.

The preliminary marketing year average price for oats in 1987-88 was $2.90 per bushel. The marketing year began with $1.41 per bushel in July and ended with $2.74 in June. Average monthly prices for the 1988 calendar year ranged from a high of $3.04 per bushel in July to a low of $1.88 in January.

The preliminary marketing year average price for all hay in 1987-88 was $76.50 per ton. Prices ranged from a high of $83.00 per ton in September to a low of $42.00 per ton in January.

Crop Values[2]

Value of Iowa 1988 farm crops, including fruits, nuts, and commercial vegetables, totaled $4.81 billion, 1 percent below the 1987 value of $4.88 billion.

Corn, soybeans, and hay accounted for 98.2 percent of Iowa's crop value. Corn accounted for 47.6 percent, soybeans for 40.2 percent, and hay 10.4 percent for the total crop value.

Feed Ratios

The 1988 beef-corn ration averaged 31.7, the high was 39.6 in January, and the low was 23.8 in July. The 1988 ratio of 31.7 is 26 percent below last year's record high average of 42.7; the lowest average was 7.6 in 1917.

The average hog-corn ratio was 20.5; the high was 26.9 in February, and the low was 15.1 in November. This is 42 percent below last year's record high average 35.6; the lowest average was 8.1 in 1934.

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[1] Crop receipts is the amount of payment received from the quantity of crops sold based on monthly sales. [2] Value of production is the total production of a crop multiplied by the market year average price.

Iowa Cash Farm Income, By Commodities

Commodity	Cash farm income[1] 1977	1986	1987	Sources of cash farm income 1977	1986	1987
	------- 1,000 dollars -------			------- Percent-------		
Crops						
Corn	1,165,412	2,364,160	1,664,434	16.9	26.2	19.0
Soybeans	1,337,318	1,498,716	1,689,416	19.4	16.7	19.3
Oats	31,942	19,902	26,039	.5	.2	.3
Hay	37,677	4,174	42,743	.5	.5	.5
Wheat	9,831	5,560	2,656			
Potatoes	1,801	1,349	1,349			
Vegetable crops	6,788	5,502	5,596	.9	.9	.9
Fruits and nuts	1,535	1,946	2,312			
Other crops	6,988	9,311	12,387			
Nursery, greenhouse, and forest	33,049	54,907	62,921			
Crops total	2,632,341	4,003,094	3,509,853	38.2	44.5	40.0
Livestock and livestock products						
Hogs	1,965,183	2,629,449	2,735,076	28.5	29.3	31.1
Cattle and calves	1,794,565	1,717,941	1,951,754	26.0	19.1	22.2
Sheep and lambs	16,741	25,008	26,030			
Wool	2,163	1,374	1,883	.3	.3	.3
Dairy products	353,484	450,000	415,030	5.1	5.0	4.7
Turkeys	41,516	72,450	67,830	.6	.8	.8
Eggs	67,235	58,601	49,983	1.0	.7	.6
Farm chickens	2,429	1,874	1,908			
Other poultry	10,333	9,962	6,631	.2	.1	.1
Other livestock	8,167	14,414	14,561	.1	.2	.2
Livestock total	4,261,816	4,891,073	5,270,416	61.8	55.5	60.0
Crops and livestock 100.0	6,894,157	8,984,167	8,780,269	9,106,116	100.0	100.0
Government payments[2]	28,901	1,161,181	1,987,685	1,161,182		
Grand total	6,923,058	10,145,348	10,767,954			

[1] "Cash farm income" relates to the value of quantities of each products sold off the farm. These data show the direct income from crops sold. Income from crops fed to livestock is included as part of livestock income. [2] Includes agricultural conservation, price adjustment payments to farmers, and agricultural production and practice payments.

Cash Receipts From Marketings, State Rankings, 1986-1987

Source of cash receipts[1]	Rank 1	2	3	4	5	6	7	8	9	10
						1987				
Crops	Cal.	Fla..	Ill.	Iowa	Texas	Minn.	Ind.	Neb.	Wash.	Ohio
Livestock and livestock products	Texas	Iowa	Neb.	Cal.	Wis.	Kans.	Minn.	Colo.	Pa.	Ill.
Total	Cal.	Texas	Iowa	Neb.	Ill.	Minn.	Kans.	Fla.	Wis.	Ind.
						1988[2]				
Crops	Cal.	Fla.	Ill.	Iowa	Texas	Minn.	Neb.	Ind.	Kans.	Wash.
Livestock and livestock products	Texas	Neb.	Iowa	Cal.	Wis.	Kans.	Minn.	Colo.	Pa.	Okla.
Total	Cal.	Texas	Iowa	Neb.	Kans.	Ill.	Minn.	Fla.	Wis.	N.C.

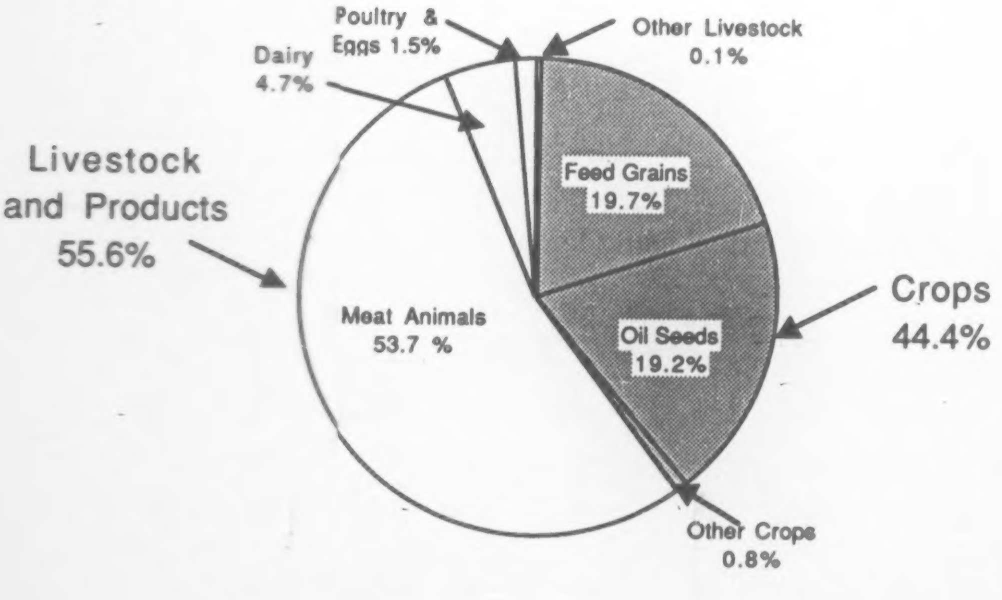
[1] Excludes government payments. [2] Preliminary.

Iowa: Monthly Cash Receipts From Farm Marketings

Month and annual	Crops				Livestock & Products				Total Receipts			
	1988[1]		1987		1988[1]		1987		1988[1]		1987	
	Total receipts	% of annual total	Total receipts	% of annual total	Total receipts	% of annual total	Total receipts	% of annual total	Total receipts	% of annual total	Total receipts	% of annual total
	Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars	
Jan.	544,572	13.4	787,936	22.4	458,106	9.1	469,110	8.9	1,002,678	11.1	1,257,046	14.2
Feb.	177,847	4.4	284,140	8.1	476,042	9.5	392,355	7.4	653,889	7.2	676,495	7.7
Mar.	224,038	5.6	122,115	3.5	406,264	8.1	437,769	8.3	630,302	6.9	559,884	6.4
Apr.	195,783	4.9	202,059	5.8	410,456	8.1	444,663	8.4	606,239	6.7	646,722	7.4
May	188,303	4.7	127,236	3.6	423,662	8.4	443,005	8.4	611,965	6.7	570,241	6.5
June	331,020	8.2	153,083	4.4	415,123	8.2	449,147	8.5	746,143	8.2	602,230	6.9
July	422,336	10.5	155,629	4.4	372,286	7.4	424,179	8.1	794,652	8.8	579,808	6.6
Aug.	384,622	9.5	115,077	3.3	388,576	7.7	458,929	8.7	773,198	8.5	574,006	6.5
Sep.	345,466	8.6	42,239	1.2	393,511	7.8	428,385	8.1	738,977	8.1	470,624	5.4
Oct.	506,416	12.6	450,338	12.8	425,119	8.4	426,426	8.1	931,535	10.3	876,764	10.0
Nov.	377,346	9.4	754,435	21.5	435,539	8.6	435,390	8.3	812,885	9.0	1,189,825	13.6
Dec.	331,170	8.2	315,556	9.0	440,382	8.7	461,058	8.8	771,552	8.5	776,624	8.8
Annual	4,028,949	100.0	3,509,853	100.0	5,045,066	100.0	5,270,416	100.0	9,074,015	100.0	8,780,269	100.0

[1] Preliminary.

Source of Iowa's 1987 Cash Receipts



Iowa Realized Gross Farm Income[1]

Calendar year	Cash Receipts from farm marketings			Government payments	Non-money income	Other farm income	Realized gross farm income	
	Livestock	Crops	Total crops & livestock				Total all farms	Average per farm
	Million dollars							Dollars
1978	5,449.5	3,104.3	8,553.9	271.0	535.9	74.6	9,435.4	76,711
1979	5,543.5	3,719.0	9,262.5	69.2	557.1	80.9	9,969.7	82,394
1980	5,311.5	4,950.5	10,262.1	44.6	654.9	76.4	11,038.0	92,756
1981	5,678.8	4,941.7	10,620.5	58.2	727.5	84.6	11,490.8	97,380
1982	5,906.6	4,108.8	10,015.4	215.9	702.3	301.7	11,235.3	96,028
1983	5,140.3	4,102.1	9,242.4	925.9	602.1	282.1	11,052.5	96,109
1984	5,014.6	3,725.3	8,739.9	742.8	527.1	191.8	10,201.6	90,280
1985	4,883.1	4,569.4	9,452.5	691.1	393.3	226.4	10,763.4	96,968
1986	4,981.1	4,003.1	8,984.2	1,161.2	311.8	196.3	10,653.5	97,739
1987	5,270.4	3,509.9	8,780.3	1,987.7	282.8	241.8	11,292.5	105,537
1988[2]	5,045.1	4,028.9	9,074.0	1,665.0	NA	NA	NA	NA

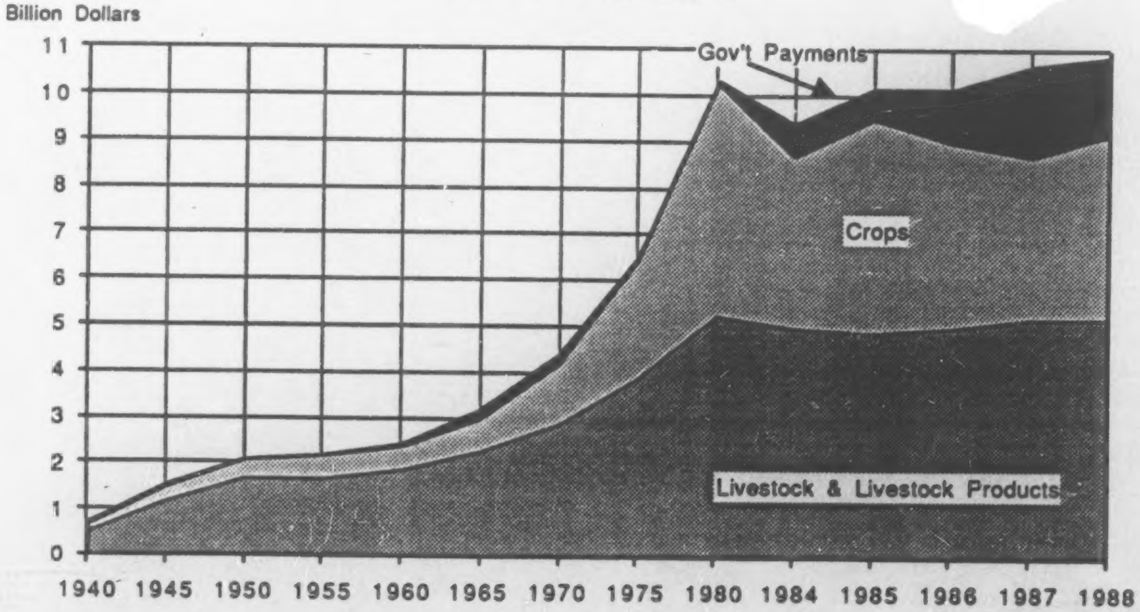
[1] Years 1984-87 have been revised; individual items may not add to totals due to rounding. [2] Preliminary; data not all available at time of publication.

Iowa Realized Net Farm Income[1]

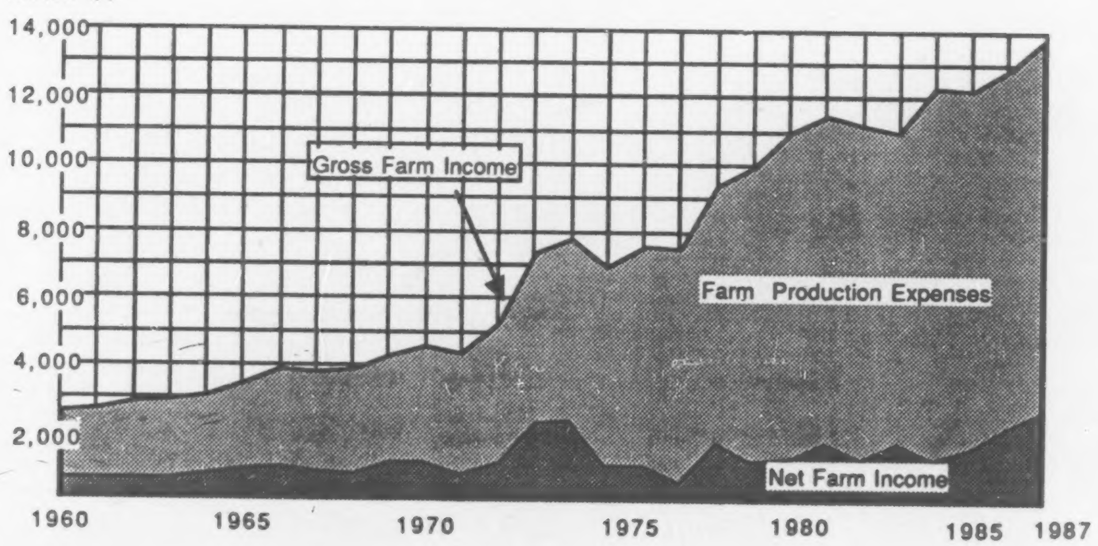
Calendar year	Realized gross farm income	Farm production expenses	Realized net farm income		Net change in farm inventories	Total net farm income	
			Total, all farms	Average per farm		Total, all farms	Average per farm
	Million dollars			Dollars	Million dollars		Dollars
1977	7,507.9	6,889.5	618.4	4,947	362.7	981.0	7,848
1978	9,435.4	7,824.3	1,611.1	13,098	414.1	2,025.1	16,464
1979	9,969.7	9,212.7	757.0	6,256	614.2	1,371.1	11,331
1980	11,038.0	9,971.1	1,066.9	8,966	-646.1	420.8	3,536
1981	11,490.8	9,908.9	1,581.9	13,406	259.6	1,841.5	15,606
1982	11,235.3	9,930.7	1,304.6	11,150	-441.6	862.9	7,375
1983	11,052.5	9,247.8	1,804.7	15,693	-2,009.9	-205.1	-1,783
1984	10,201.6	9,779.5	422.1	3,735	873.3	1,295.5	11,465
1985	10,763.4	8,955.8	1,807.6	16,285	-139.4	1,668.1	15,028
1986	10,653.5	8,201.2	2,452.3	22,498	-131.5	2,320.8	21,292
1987[2]	11,292.5	8,283.3	3,009.2	28,123	-232.3	2,776.8	25,951

[1] Years 1984-87 have been revised; individual items may not add to totals due to rounding. [2] Preliminary.

Iowa Cash Receipts



Iowa Farm Income[1]



[1] Net Income and Gross Income exclude changes in farm inventories.

Iowa Farm Production Expenses[1]

Item	1982	1983	1984	1985	1986	1987[2]
				Million dollars		
Feed	1,217.2	1,322.0	1,156.8	1,041.6	942.3	945.4
Livestock	820.9	539.2	519.5	453.1	588.4	825.5
Seed	313.1	295.4	340.4	330.7	294.6	297.1
Fertilizer and lime	578.5	428.5	538.5	519.7	385.3	344.8
Repairs and operation of capital items8	411.3	390.1	372.5	358.7	361.4	379.6
Hired labor	244.4	235.4	233.5	236.1	237.5	258.7
Miscellaneous	2,698.8	2,691.9	2,689.8	2,425.1	2,076.2	2,090.9
Total operating expenses	6,284.2	5,921.2	5,868.6	5,365.0	4,885.7	5,142.0
Depreciation and other consumption of farm capital	1,764.2	1,663.0	1,556.9	1,314.5	1,206.9	1,119.4
Taxes on farm property	316.8	300.3	257.8	262.5	253.2	306.5
Interest on farm mortgage debt	833.3	835.3	816.6	730.1	674.9	589.4
Net rent to non-operator landlords	732.2	528.0	1,279.6	1,283.7	1,180.5	1,126.0
Total production expenses	9,930.7	9,247.8	9,779.5	8,955.8	8,201.2	8,283.3

[1] Years 1985-86 revised; details may not add to totals because of rounding. [2] Preliminary.

Estimated Iowa Farmland Cash Rent Per Acre[1]

Year	Whole farm	Ratio of rent to value[2]	Cropland	Ratio of rent to value[2]	Pasture land	Ratio of rent to value[2]
	Dollars	Percent	Dollars	Percent	Dollars	Percent
1979	89.00	5.0	98.50	5.1	35.00	4.6
1980	96.00	4.7	107.10	4.7	36.20	4.3
1981	101.80	4.7	113.60	4.8	39.40	4.4
1982	106.10	5.0	118.80	5.2	44.10	4.5
1983	105.60	5.7	117.10	6.0	42.20	4.7
1984	109.17	6.6	117.30	6.8	40.95	6.0
1985[3]	98.40	8.5	102.60	8.4	36.00	7.6
1986[3]	83.00	9.0	87.60	9.3	29.20	7.7
1987[3]	75.70	9.3	80.30	9.8	28.10	8.5
1988[3]	82.10	8.4	86.30	8.6	28.80	8.6
1989[4]	91.40	8.3	95.80	8.2	30.00	7.7

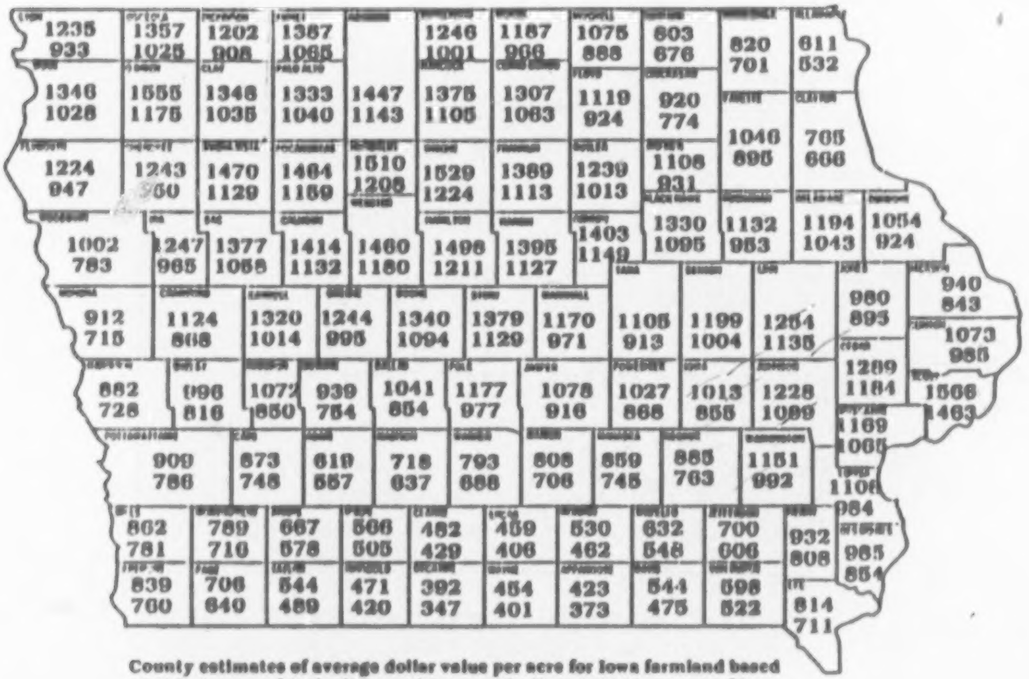
[1] Estimates are based on surveys by Economic Research Service. [2] Ratio calculated using USDA Land Values. [3] Revised. [4] Preliminary.

Iowa Farm Real Estate: Amount Outstanding January 1[1]

Year	Federal Land Bank[2]	Farmers Home Administration[3]	Life Ins. companies	All banks	Individuals and others[4]	CCC Storage & Drying loans[5]	Total farm real estate debt
				Million dollars			
1978	1,254	166	628	330	2,432	*	4,810
1979	1,522	175	747	356	2,748	*	5,549
1980	1,845	286	846	358	3,305	217	6,857
1981	2,378	363	948	339	3,577	235	7,840
1982	2,919	396	988	321	3,766	218	8,609
1983	3,219	409	1,023	343	3,793	195	8,983
1984	3,252	439	986	410	3,831	153	9,071
1985	3,224	481	949	512	3,544	108	8,819
1986	2,675	507	932	713	3,224	54	8,105
1987	2,176	510	789	821	2,845	20	7,160
1988	1,760	485	668	984	2,442	6	6,344
				Percents of total			
1978	26.1	3.5	13.1	6.9	50.4	*	100.0
1979	27.4	3.2	13.5	6.4	49.5	*	100.0
1980	26.9	4.2	12.3	5.2	48.2	3.2	100.0
1981	30.3	4.6	12.1	4.3	45.6	3.1	100.0
1982	33.9	4.6	11.5	3.7	43.7	2.6	100.0
1983	35.8	4.6	11.4	3.8	42.2	2.2	100.0
1984	35.9	4.8	10.9	4.5	42.2	1.7	100.0
1985	36.6	5.5	10.8	5.8	40.2	1.1	100.0
1986	33.0	6.3	11.5	8.8	39.8	0.6	100.0
1987	30.4	7.1	11.0	11.5	39.7	0.3	100.0
1988	27.7	7.6	10.5	15.5	38.5	0.2	100.0

[1] 1988 preliminary and rounded to millions of dollars; data include regular mortgages, purchase-money mortgages, and sales contracts. [2] Includes loans of joint stock land banks and Federal Farm Mortgage corporation. [3] Includes both direct and insured loans. [4] Estimates. [5] Not available before 1980.

Iowa Farmland Value, By County, 1987 And 1988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1202 908
1387 1065
1246 1001
1187 966
1075 888
803 676
820 701
611 532
1346 1028
1555 1175
1348 1035
1333 1040
1447 1143
1375 1105
1307 1063
1119 924
920 774
1046 895
765 666
1224 947
1243 950
1470 1129
1464 1159
1510 1208
1529 1224
1389 1113
1239 1013
1108 931
1002 783
1247 965
1377 1058
1414 1132
1460 1180
1498 1211
1395 1127
1403 1149
1330 1095
1132 953
1194 1043
1054 924
912 715
1124 868
1320 1014
1244 995
1340 1094
1379 1129
1170 971
1105 913
1199 1004
1264 1135
980 895
940 843
1073 985
882 728
996 816
1072 850
939 754
1041 854
1177 977
1078 916
1027 868
1013 855
1228 1089
1289 1184
1566 1463
909 786
873 748
619 557
718 637
793 688
808 706
859 745
885 763
1151 992
1169 1065
1106 984
862 781
789 710
667 578
566 505
482 429
459 406
530 462
632 548
700 606
932 808
965 854
839 760
706 640
544 489
471 420
392 347
454 401
423 373
544 475
598 522
814 711

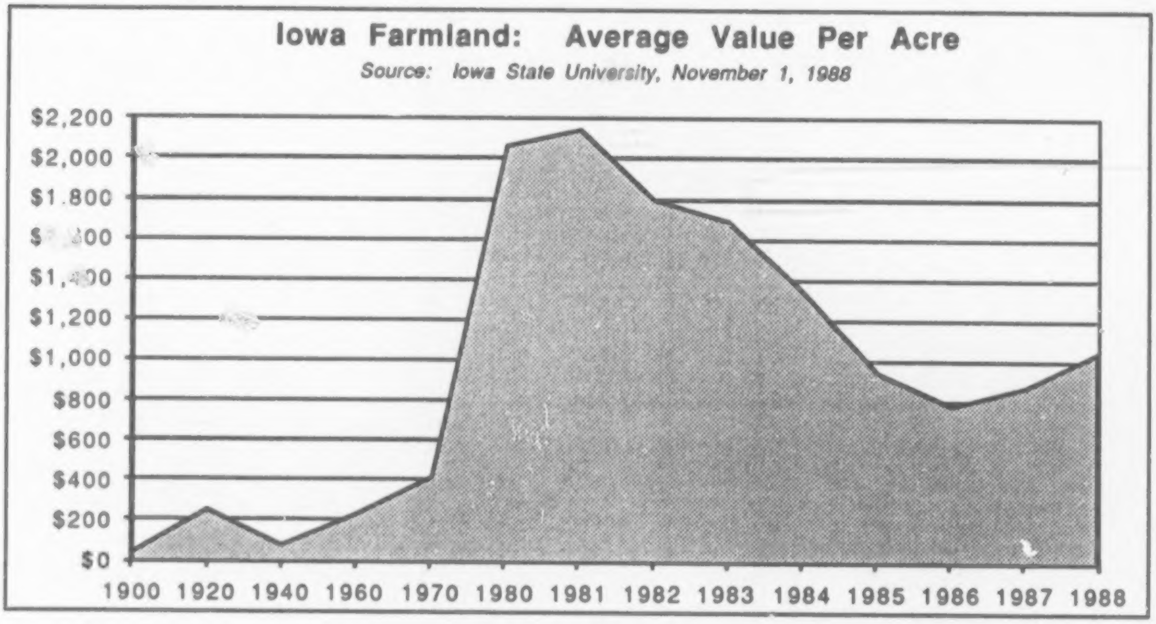
County estimates of average dollar value per acre for Iowa farmland based on U.S. Census of Agriculture estimates and a Nov. 1, 1988, survey of Iowa real estate brokers. The top figure is the estimated Nov. 1, 1988, value; the bottom figure is the estimated Nov. 1, 1987, value.

State Average Value per Acre: **$1,054** - 1988 **$875** - 1987

Source: ***Cooperative Extension Service, Iowa State University***

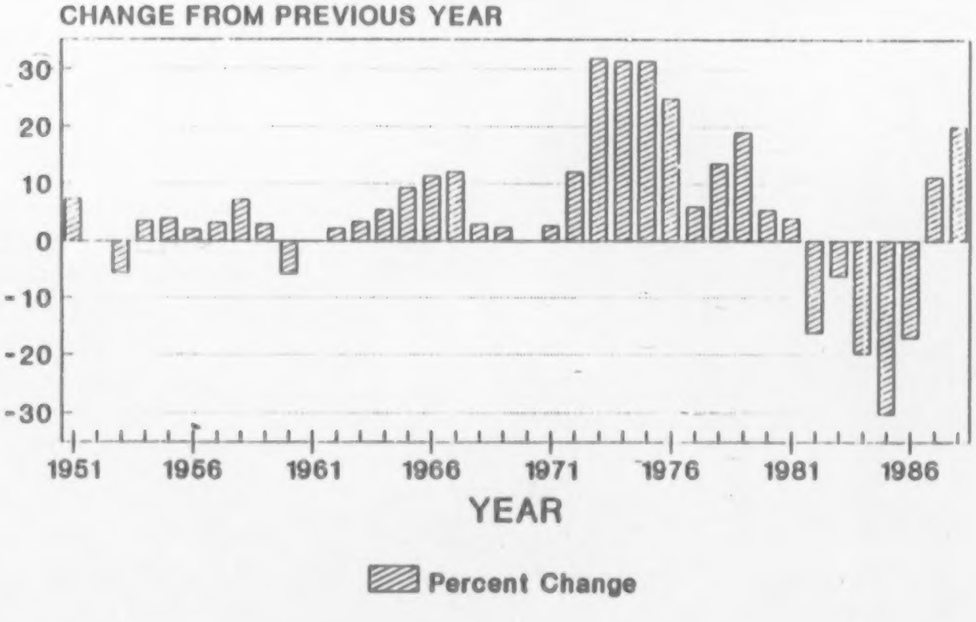
Recent Changes in Iowa Farmland Values

Year	Dollars Per Acre	Dollar Change	Percentage Change	Year	Dollars Per Acre	Dollar Change	Percentage Change
1966	354	36	11.4	1977	1,450	82	6.0
1967	397	42	12.0	1978	1,656	196	13.5
1968	409	12	3.0	1979	1,958	312	19.0
1969	419	10	2.5	1980	2,066	108	5.5
1970	419	0	0.0	1981	2,147	82	3.9
1971	430	11	2.6	1982	1,801	-345	-16.1
1972	482	52	12.0	1983	1,691	-110	-6.1
1973	635	154	31.9	1984	1,357	-334	-19.8
1974	834	199	31.3	1985	948	-409	-30.2
1975	1,095	261	31.3	1986	787	-161	-17.0
1976	1,368	273	24.9	1987	875	88	11.2
				1988	1,054	179	20.4


Iowa Farmland: Average Value Per Acre

Source: Iowa State University, November 1, 1988

PERCENT CHANGE IN IOWA LAND VALUES, 1951-1988



Source: Iowa State Land Value Survey

Crops: Prices Received By Iowa Farmers

Year and month	Corn	Oats	Soybeans	Wheat	Rye	Sorghum	All hay
Season Average[1]	Bushels						Tons
1955	$1.44	$ .58	$2.24	$2.04	$ .96	$1.00	$16.50
1960	.97	.60	2.13	1.77	.98	.82	14.50
1965	1.13	.65	2.61	1.35	.95	.92	21.80
1970	1.25	.64	2.82	1.25	.90	1.04	20.00
1975	2.50	1.44	5.09	3.46	2.25	2.21	49.00
1976	2.05	1.56	7.05	2.94	2.65	1.85	61.00
1977	1.99	1.11	5.92	2.11	2.10	1.70	47.00
1978	2.17	1.19	6.64	2.70	2.60	1.79	43.00
1979	2.42	1.41	6.17	3.30	3.10	2.01	45.00
1980	2.97	1.71	7.39	3.85	3.20	2.48	48.50
1981	2.41	1.88	5.88	3.70	3.50	2.23	54.00
1982	2.75	1.59	5.82	3.31	2.60	2.55	53.50
1983	3.11	1.80	7.75	3.40	2.50	2.80	72.00
1984	2.50	1.78	5.55	3.26	2.26	2.30	61.50
1985	2.33	1.30	5.05	2.95	2.30	*	46.50
Market Year Average[2]							
1981	2.34	1.88	5.94	3.70	3.50	2.21	54.00
1982	2.69	1.59	5.85	3.30	2.60	2.58	53.50
1983	3.12	1.80	7.78	3.40	2.50	2.80	72.00
1984	2.51	1.78	5.67	3.26	2.26	2.30	61.50
1985	2.02	1.27	4.99	2.95	2.26	*	46.50
1986	1.41	1.17	4.73	2.30	1.75	*	40.50
1987[3]	1.89	1.68	[illegible]	2.75	1.60	*	43.00
1988[4]	2.45	2.90	[illegible]	3.80	2.45	*	76.50
1987[3]**							
January	1.36	1.55	4.59	*	*	*	41.00
February	1.30	1.67	4.58	*	*	*	43.00
March	1.36	1.60	4.63	*	*	*	41.00
April	1.44	1.57	4.77	*	*	*	41.00
May	1.55	1.73	5.10	*	*	*	41.00
June	1.60	1.61	5.32	*	*	*	43.00
July	1.51	1.41	5.16	*	*	*	39.00
August	1.35	1.52	4.95	*	*	*	39.00
September	1.36	1.63	4.89	*	*	*	40.00
October	1.46	1.70	4.96	*	*	*	40.00
November	1.54	1.74	5.25	*	*	*	41.00
December	1.61	1.86	5.48	*	*	*	44.00
1988[4]**							
January	1.66	1.88	5.54	*	*	*	42.00
February	1.74	1.97	5.86	*	*	*	45.00
March	1.78	1.96	5.96	*	*	*	48.00
April	1.79	2.01	6.25	*	*	*	48.00
May	1.85	2.05	6.79	*	*	*	49.00
June	2.30	2.74	8.14	*	*	*	52.00
July	2.66	3.04	8.34	*	*	*	67.00
August	2.57	2.81	8.23	*	*	*	82.00
September	2.52	2.75	7.89	*	*	*	83.00
October	[illegible]	2.74	7.57	*	*	*	78.00
November	[illegible]	2.63	7.45	*	*	*	79.00
December	2.46	2.84	7.53	*	*	*	81.00

[1] Season average price includes grain forfeited to CCC. [2] Market year average price does not include any grain forfeited to CCC. [3] Revised. [4] Preliminary.

*Data not available.

**For crops, market year prices are computed by weighting monthly prices by estimated monthly marketings. The months included in the crop season for individual crops are differentiated by short horizontal lines in the section of the table showing monthly prices. For example, the crop marketing season for corn is from September 1 through August 31 of the following year.

Livestock And Livestock Products: Prices Received By Iowa Farmers[1]

Year and month	Hogs	Steers and heifers	Beef cattle	Veal calves	Sheep	Lambs	Milk cows[2]	All milk whole-sale	Turkeys	All eggs[3]	Wool
Market Year Avg.				Cwt.			Head	Cwt.	Lb.	Dozen	Lb.
1920	$13.00	$ *	$10.30	$11.90	$ 7.50	$11.70	$ 95	$ 3.30	$ *	$.411	$.41
1925	10.90	*	8.40	9.20	7.40	13.10	65	2.15	*	.274	.37
1930	8.80	*	9.10	10.10	4.60	8.20	77	2.05	*	.197	.20
1935	8.70	*	7.30	7.10	3.80	7.60	49	1.55	.189	.213	.20
1940	5.30	*	8.90	9.00	3.60	8.40	65	1.65	.159	.144	.30
1945	14.00	*	13.50	13.30	6.50	13.40	115	2.70	.326	.331	.43
1950	17.70	*	25.30	25.90	10.00	25.30	212	3.55	.327	.292	.56
1955	14.40	20.30	18.80	16.80	4.40	18.80	155	3.40	.306	.319	.42
1960	15.30	24.10	22.90	24.00	4.80	18.10	223	3.40	.244	.280	.43
1965	20.60	23.80	22.60	21.50	5.50	22.70	215	3.53	.217	.242	.48
1970	22.60	29.30	28.20	32.90	7.10	27.00	325	5.01	.224	.318	.34
1975	46.20	40.00	36.80	29.30	8.10	43.30	410	8.15	.352	.395	.29
1976	43.00	37.30	35.50	36.10	11.00	46.20	429	9.05	.286	.463	.51
1977	39.60	38.00	37.20	37.80	10.10	52.00	452	9.05	.328	.422	.68
1978	47.00	51.10	50.90	56.50	17.30	60.30	656	10.15	.438	.388	.69
1979	41.60	68.00	65.80	84.60	22.90	65.30	1023	11.60	.410	.440	.74
1980	38.00	67.20	65.30	78.20	27.20	62.80	1170	12.60	.400	.470	.70
1981	43.80	62.40	58.20	63.40	23.90	53.30	1200	13.30	.360	.533	.71
1982	51.90	61.70	57.20	60.40	20.90	52.90	1090	13.20	.380	.426	.44
1983	46.70	61.20	57.00	60.70	15.00	53.50	975	13.20	.370	.448	.38
1984	46.80	63.10	56.80	59.60	15.90	61.90	820	13.10	.460	.574	.54
1985	44.20	57.50	54.50	62.20	23.70	67.10	810	12.20	.460	.394	.42
1986	49.50	57.00	53.70	61.50	28.30	69.80	785	12.00	.450	.440	.45
1987	51.90	64.40	61.80	75.30	29.60	74.80	895	12.10	.350	.360	.55
1988[4]	43.20	70.20	67.30	88.40	22.80	65.20	930	11.80	.391	.346	.74
1987											
Jan.	47.10	59.30	56.50	68.50	37.40	75.60	820	12.70	.330	.389	.47
Feb.	48.90	61.70	58.50	71.30	35.20	75.10	*	12.30	.340	.394	.49
Mar.	47.60	61.70	59.40	72.30	30.90	78.70	*	12.00	.360	.350	.54
Apr.	51.00	65.80	63.40	75.10	26.80	86.10	920	11.80	.370	.360	.59
May	54.40	67.20	64.50	76.90	27.80	91.60	*	11.50	.360	.290	.58
June	59.70	67.50	64.70	73.90	23.60	83.30	*	11.40	.350	.309	.52
July	60.70	65.70	63.20	75.80	27.90	76.40	930	11.50	.370	.300	.51
Aug.	59.40	64.10	61.90	81.40	29.20	72.90	*	11.70	.350	.310	.51
Sep.	55.80	65.50	63.40	84.20	31.90	72.50	*	12.40	.330	.430	.51
Oct.	50.10	65.80	63.40	80.40	29.00	67.70	910	12.70	.330	.319	.55
Nov.	41.50	64.50	61.50	80.30	29.80	64.70	*	12.60	.350	.372	.57
Dec.	40.80	65.20	62.00	81.50	32.40	71.00	*	12.40	.380	.326	.64
1988[4]											
Jan.	43.10	69.10	65.70	87.40	37.10	79.20	930	12.10	.340	.282	.60
Feb.	46.80	70.10	65.90	88.70	29.40	75.50	*	11.80	.330	.277	.67
Mar.	43.10	71.80	68.70	90.00	24.70	77.40	*	11.50	.330	.305	.73
Apr.	42.70	73.00	70.30	88.60	22.50	67.60	970	11.30	.340	.263	.77
May	46.10	73.40	70.40	87.00	20.00	71.80	*	11.00	.350	.235	.72
June	48.80	70.60	67.20	82.10	18.60	58.10	*	10.80	.360	.277	.81
July	45.40	65.60	63.30	85.20	21.10	57.00	890	10.80	.410	.470	.66
Aug.	45.70	66.80	65.10	94.60	20.90	56.90	*	11.30	.420	.410	.67
Sep.	42.10	68.80	67.10	89.50	22.00	60.60	*	12.10	.460	.530	.71
Oct.	39.70	69.50	67.30	89.60	21.20	63.10	920	12.80	.480	.380	.78
Nov.	36.90	71.20	67.80	88.10	22.10	62.90	*	13.30	.480	.400	.76
Dec.	40.10	72.50	69.10	88.50	27.00	66.50	*	13.40	.390	.390	.84

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[1] For livestock and livestock products, prices are calendar year monthly prices weighted by monthly marketings except for milk cow prices, which is a straight average of the monthly prices, and hog, egg, and chicken prices, which are weighted averages of monthly prices for marketing season. Months underlined indicate end of marketing year for that commodity.
[2] Milk cows estimated by quarters beginning in 1982. [3] Market eggs beginning in 1982. [4] Preliminary. *Data not available.

Iowa Grain Prices Received, By County, 1986

County and District	Corn	Oats	Soybeans
		Dollars	
Buena Vista	2.00	1.28	4.96
Cherokee	1.95	1.30	4.91
Clay	1.92	1.30	4.94
Dickinson	1.94	1.20	4.89
Emmet	1.92	1.30	5.00
Lyon	1.93	1.20	4.87
O'Brien	1.94	1.20	4.92
Osceola	1.95	1.28	4.89
Palo Alto	1.95	1.28	4.97
Plymouth	2.00	1.20	4.91
Pocahontas	1.96	1.26	4.97
Sioux	1.95	1.20	4.89
NW District	1.95	1.22	4.93
Butler	1.91	1.20	4.98
Cerro Gordo	1.90	1.33	4.97
Floyd	1.90	1.20	5.02
Franklin	1.90	1.31	5.02
Hancock	1.90	1.28	5.01
Humboldt	1.90	1.29	5.03
Kossuth	1.90	1.33	4.99
Mitchell	1.92	1.21	5.01
Winnebago	1.90	1.27	4.98
Worth	1.91	1.24	5.01
Wright	1.92	1.33	5.03
NC District	1.91	1.26	5.00
Allamakee	2.12	1.23	5.03
Black Hawk	2.05	1.35	5.03
Bremer	1.96	1.22	5.00
Buchanan	2.07	1.29	5.05
Chickasaw	1.95	1.27	4.99
Clayton	2.10	1.22	5.07
Delaware	2.11	1.25	5.01
Dubuque	2.10	1.26	5.05
Fayette	2.05	1.23	5.02
Howard	1.96	1.20	4.97
Winneshiek	2.06	1.20	5.02
NE District	2.05	1.24	5.02
Audubon	2.02	1.30	4.98
Calhoun	2.00	1.30	5.00
Carroll	1.99	1.27	4.92
Crawford	2.04	1.22	4.94
Greene	2.00	1.30	4.95
Guthrie	2.04	1.34	4.97
Harrison	2.05	1.25	4.93
Ida	1.98	1.20	4.91
Monona	2.00	1.21	4.94
Sac	1.99	1.23	4.90
Shelby	2.05	1.20	4.91
Woodbury	2.02	1.24	4.96
WC District	2.02	1.25	4.94
Boone	2.02	1.39	5.04
Dallas	2.04	1.33	5.01
Grundy	1.98	1.39	5.03
Hamilton	1.99	1.39	5.04
Hardin	1.97	1.31	5.03
Jasper	2.03	1.28	4.99
Marshall	2.05	1.31	5.01
Polk	2.02	1.39	4.99
Poweshiek	2.05	1.27	4.99
Story	2.03	1.39	5.00
Tama	2.05	1.27	5.03
Webster	1.98	1.36	5.03
C District	2.02	1.32	5.02
Benton	2.11	1.29	5.07
Cedar	2.15	1.30	5.08
Clinton	2.15	1.28	5,13
Iowa	2.11	1.35	5.07
Jackson	2.16	1.30	5.14
Johnson	2.12	1.35	5.09
Jones	2.12	1.31	5.07
Linn	2.11	1.35	5.08
Muscatine	2.17	1.36	5.09
Scott	2.16	1.29	5,16
EC District	2.14	1.31	5.09
Adair	2.05	1.31	5.01
Adams	2.04	1.24	4.90
Cass	2.09	1.24	4.95
Fremont	2.08	1.32	5.01
Mills	2.06	1.35	5.01
Montgomery	2.05	1.35	4.91
Page	2.08	1.32	4.96
Pottawattamie	2.12	1.21	4.94
Taylor	2.05	1.37	4.91
SW District	2.08	1.29	4.96
Appanoose	2.02	1.28	4.95
Clarke	2.03	1.31	4.98
Decatur	1.96	1.28	4.96
Lucas	1.99	1.28	4.97
Madison	2.03	1.35	5.03
Marion	2.02	1.30	5.01
Monroe	2.01	1.34	4.95
Ringgold	2.04	1.37	4.96
Union	2.05	1.32	4.99
Warren	2.02	1.38	5.02
Wayne	1.98	1.28	4.95
SC District	2.02	1.32	4.98
Davis	2.05	1.36	4.98
Des Moines	2.17	1.45	5.11
Henry	2.09	1.39	5.05
Jefferson	2.07	1.33	5.03
Keokuk	2.07	1.28	5.04
Lee	2.13	1.45	5.07
Louisa	2.12	1.45	5.08
Mahaska	2.05	1.32	5.01
Van Buren	2.08	1.39	5.03
Wapello	2.05	1.34	4.98
Washington	2.12	1.35	5.08
SE District	2.10	1.35	5.06
State	2.02	1.27	4.99

Iowa Grain Prices Received, By County, 1987 Crop

County and District	Corn	Oats	Soybeans
		Dollars	
Buena Vista	1.82	1.59	5.99
Cherokee	1.80	1.63	5.96
Clay	1.77	1.64	5.91
Dickinson	1.79	1.63	5.88
Emmet	1.84	1.65	5.97
Lyon	1.81	1.56	5.84
O'Brien	1.78	1.60	5.91
Osceola	1.81	1.65	5.93
Palo Alto	1.86	1.69	6.00
Plymouth	1.87	1.59	5.92
Pocahontas	1.85	1.66	5.98
Sioux	1.87	1.63	5.88
NW District	1.83	1.61	5.93
Butler	1.90	1.72	6.00
Cerro Gordo	1.89	1.73	5.99
Floyd	1.89	1.68	5.98
Franklin	1.92	1.78	6.03
Hancock	1.92	1.72	6.03
Humboldt	1.91	1.76	6.01
Kossuth	1.86	1.67	5.97
Mitchell	1.91	1.78	6.01
Winnebago	1.90	1.73	5.98
Worth	1.93	1.75	6.02
Wright	1.93	1.78	6.02
NC District	1.90	1.73	6.00
Allamakee	1.92	1.68	6.01
Black Hawk	1.95	1.75	5.97
Bremer	1.90	1.65	5.91
Buchanan	1.95	1.71	5.99
Chickasaw	1.90	1.65	5.90
Clayton	1.97	1.69	5.96
Delaware	1.97	1.65	5.98
Dubuque	1.99	1.65	5.98
Fayette	1.92	1.65	5.93
Howard	1.90	1.67	5.90
Winneshiek	19.20	1.67	5.90
NE District	1.94	1.67	5.94
Audubon	1.85	1.60	6.00
Calhoun	1.86	1.69	5.99
Carroll	1.82	1.66	5.95
Crawford	1.83	1.62	5.92
Greene	1.84	1.64	5.96
Guthrie	1.87	1.62	6.04
Harrison	1.87	1.70	6.00
Ida	1.78	1.56	5.92
Monona	1.80	1.62	5.92
Sac	1.79	1.59	5.90
Shelby	1.83	1.67	5.94
Woodbury	1.80	1.62	5.91
WC District	1.83	1.63	5.95
Boone	1.87	1.73	6.00
Dallas	1.89	1.71	6.04
Grundy	1.90	1.78	5.99
Hamilton	1.90	1.76	6.00
Hardin	1.87	1.75	5.97
Jasper	1.91	1.72	6.00
Marshall	1.91	1.80	5.99
Polk	1.89	1.72	6.00
Poweshiek	1.90	1.73	6.00
Story	1.88	1.73	5.99
Tama	1.92	1.80	6.02
Webster	1.89	1.74	6.01
C District	1.89	1.72	6.00
Benton	1.92	1.79	5.97
Cedar	1.95	1.68	5.96
Clinton	2.00	1.69	6.02
Iowa	1.93	1.74	5.97
Jackson	2.00	1.74	6.04
Johnson	1.96	1.72	5.99
Jones	1.95	1.71	5.97
Linn	1.98	1.81	5.98
Muscatine	1.98	1.67	6.00
Scott	1.98	1.67	6.02
EC District	1.96	1.73	5.99
Adair	1.89	1.64	6.04
Adams	1.85	1.65	6.04
Cass	1.89	1.64	6.01
Fremont	1.89	1.68	5.96
Mills	1.89	1.69	5.98
Montgomery	1.89	1.69	5.98
Page	1.88	1.60	5.99
Pottawattamie	1.94	1.61	6.04
Taylor	1.87	1.65	5.97
SW District	1.90	1.64	6.00
Appanoose	1.86	1.70	5.92
Clarke	1.86	1.71	5.94
Decatur	1.84	1.75	5.82
Lucas	1.89	1.71	5.91
Madison	1.91	1.70	5.96
Marion	1.88	1.68	5.91
Monroe	1.92	1.68	5.90
Ringgold	1.89	1.74	5.91
Union	1.90	1.77	6.00
Warren	1.87	1.68	5.96
Wayne	1.84	1.67	5.87
SC District	1.88	1.71	5.92
Davis	1.89	1.70	5.99
Des Moines	1.97	1.70	6.03
Henry	1.94	1.68	5.96
Jefferson	1.91	1.68	5.94
Keokuk	1.90	1.65	5.94
Lee	1.98	1.71	6.03
Louisa	1.94	1.70	6.00
Mahaska	1.89	1.65	5.90
Van Buren	1.87	1.67	5.94
Wapello	1.88	1.65	5.93
Washington	1.92	1.67	5.93
SE District	1.92	1.67	5.96
State	1.89	1.68	5.97

1 Preliminary

Index of Prices Received By Iowa Farmers (1977=100)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
ALL FARM PRODUCTS													
1978	101	104	110	112	119	118	115	111	115	117	118	117	113
1979	124	128	132	130	129	127	124	120	122	118	117	118	124
1980	120	118	115	110	112	115	127	136	138	137	138	137	125
1981	132	130	129	131	131	135	135	130	125	119	116	111	127
1982	116	119	123	127	134	132	129	128	126	119	118	118	124
1983	122	127	127	129	129	127	125	133	132	127	126	132	128
1984	138	133	137	141	137	137	136	129	124	118	120	123	131
1985	123	123	120	118	117	118	115	110	106	112	113	114	116
1986	113	110	110	107	113	116	120	119	116	110	113	109	113
1987	107	109	109	115	120	125	123	119	119	115	110	111	115
1988[1]	115	120	120	121	126	134	135	135	133	130	128	131	127
ALL CROPS													
1978	89	88	99	100	105	105	99	93	92	92	96	97	96
1979	97	101	104	105	107	112	116	111	108	104	100	100	105
1980	104	100	98	97	99	103	114	123	127	127	133	135	113
1981	133	132	134	135	134	128	129	117	105	102	101	101	121
1982	104	102	103	107	108	107	104	95	91	87	91	93	99
1983	96	102	107	116	118	116	120	135	140	134	135	133	121
1984	135	128	135	138	141	140	130	123	115	108	105	103	125
1985	105	104	106	107	106	104	101	95	92	88	89	90	99
1986	92	92	92	92	95	92	84	73	67	64	69	70	82
1987	69	67	69	72	77	80	76	71	71	74	78	82	74
1988[1]	83	88	89	92	97	119	129	127	123	120	118	119	109
GRAIN AND HAY													
1978	96	98	109	109	113	112	105	96	95	94	98	100	102
1979	100	103	105	109	112	119	127	122	118	114	110	111	112
1980	117	112	113	114	115	120	132	142	145	144	148	156	130
1981	154	155	158	160	160	155	153	139	122	117	116	116	142
1982	120	118	119	126	127	126	121	109	105	100	106	108	115
1983	113	124	132	145	150	147	151	162	160	153	156	155	146
1984	155	151	158	165	165	163	160	152	142	129	124	123	149
1985	127	126	129	131	130	128	125	116	112	105	107	108	120
1986	110	110	110	110	115	110	94	74	64	63	71	73	92
1987	70	67	70	74	79	82	77	69	70	75	79	83	75
1988[1]	85	89	91	92	95	118	136	132	130	129	126	127	113
OIL BEARING CROPS													
1978	83	80	89	92	98	98	93	91	90	91	94	94	91
1979	95	100	103	101	102	105	106	102	98	94	91	90	99
1980	91	88	84	81	83	86	98	105	110	111	118	114	97
1981	113	110	112	112	109	103	105	96	89	87	87	87	101
1982	88	86	87	89	91	89	88	81	77	74	77	79	84
1983	79	82	84	89	88	86	92	109	121	116	116	112	98
1984	115	106	113	113	119	118	103	95	89	88	86	84	102
1985	84	83	85	85	83	82	79	74	72	71	71	73	78
1986	74	74	76	76	76	75	74	72	70	65	66	68	72
1987	68	67	68	70	75	78	76	73	72	73	77	81	73
1988[1]	82	86	88	92	100	120	123	121	116	112	110	111	105

[1] Preliminary.

Index of Prices Received By Iowa Farmers (1977=100)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
ALL LIVESTOCK AND LIVESTOCK PRODUCTS													
1978	108	115	118	119	128	127	125	123	130	133	133	131	124
1979	141	146	149	147	143	136	130	126	132	127	127	130	136
1980	131	130	126	119	121	122	136	145	145	144	141	138	133
1981	131	129	125	128	129	139	139	139	138	130	125	117	131
1982	123	130	137	141	150	149	146	150	148	140	135	135	140
1983	138	142	139	137	136	134	127	131	127	122	120	131	132
1984	140	135	139	142	134	135	139	133	129	125	130	136	135
1985	134	136	128	124	124	127	123	120	116	127	129	130	127
1986	126	122	121	116	125	131	143	149	147	140	141	134	133
1987	131	135	135	143	147	154	153	150	149	142	131	130	142
1988[1]	136	140	139	140	144	144	138	140	140	137	134	139	139
MEAT ANIMALS													
1978	109	116	119	121	131	131	127	124	132	134	133	130	126
1979	142	149	152	149	147	139	132	127	134	128	127	130	138
1980	132	132	127	120	123	124	138	147	146	145	141	136	134
1981	130	129	124	128	129	140	140	140	139	130	123	116	131
1982	123	131	137	143	154	153	149	154	151	141	136	137	142
1983	142	146	142	140	137	135	129	132	126	120	115	127	133
1984	135	133	138	139	134	136	140	134	129	125	128	136	134
1985	135	138	129	126	125	128	124	119	114	125	128	128	127
1986	126	122	120	116	126	133	145	151	148	141	141	135	134
1987	133	138	138	147	153	160	159	156	153	146	133	132	146
1988[1]	140	145	144	146	150	149	140	143	141	138	135	141	143
POULTRY AND EGGS													
1978	97	109	108	101	98	91	107	112	116	116	127	138	110
1979	130	119	131	124	115	113	105	106	104	108	124	132	118
1980	117	108	110	99	89	98	108	123	137	132	147	148	118
1981	129	119	124	128	118	118	125	120	124	115	133	111	122
1982	117	115	124	117	103	105	107	108	118	122	120	103	113
1983	96	100	105	101	117	117	107	119	130	138	156	174	122
1984	191	161	146	178	131	123	125	123	127	120	146	136	142
1985	116	103	116	107	104	119	110	125	135	143	144	145	122
1986	122	118	136	109	116	114	129	132	137	130	143	124	126
1987	105	107	103	105	95	96	97	98	111	96	106	103	102
1988[1]	89	87	91	85	82	89	123	116	138	119	122	113	104
DAIRY PRODUCTS													
1978	106	107	107	108	106	106	106	109	113	120	124	128	112
1979	128	126	125	124	124	122	122	126	129	133	135	135	128
1980	135	135	135	135	134	132	132	134	141	147	150	151	138
1981	151	148	147	146	145	143	141	142	144	148	148	150	146
1982	150	146	146	144	143	141	141	141	145	148	150	150	145
1983	148	147	146	146	143	141	142	140	144	148	150	147	145
1984	145	142	142	142	140	137	137	139	146	151	153	151	144
1985	148	145	142	137	132	128	126	126	131	136	134	134	135
1986	132	130	130	128	125	124	124	129	136	142	144	143	132
1987	140	135	132	130	126	125	126	129	136	140	139	136	133
1988[1]	133	130	126	124	121	119	119	124	133	141	146	147	130

[1] Preliminary.

Index of Prices Received by U.S. Farmers (1977=100)

Year	All commodities	All crops	All livestock and livestock products	Dairy products	Poultry and eggs	Meat animals
			Percent			
1977	100	100	100	100	100	100
1978	115	105	124	109	106	134
1979	132	116	147	124	111	166
1980	134	125	144	135	112	156
1981	139	134	143	142	116	150
1982	133	121	145	140	110	155
1983	135	128	141	140	118	147
1984	142	138	146	139	135	151
1985	128	120	136	131	119	142
1986	123	107	138	129	128	145
1987[1]	127	106	146	129	107	163
1988[2]	138	125	150	126	118	168

[1] Revised. [2] Preliminary.

Index of Prices Paid by U.S. Farmers, Interest, Taxes, and Wage Rates (1977=100)

Year	Prices paid for items used in Living[1]	Prices paid for items used in Production	Interest payable per acre	Taxes payable per acre	Wage rates for hired farm labor	All prices paid
			Percent			
1977	–	100	100	100	100	100
1978	–	108	117	100	107	108
1979	–	125	143	107	117	123
1980	–	138	174	115	126	138
1981	–	148	211	123	137	150
1982	159	153	249	124	144	159
1983	164	152	258	129	148	161
1984[2]	171	155	248	133	151	164
1985[2]	177	151	228	136	154	162
1986[2]	181	147	211	138	160	159
1987[2]	187	147	190	139	166	161
1988[3]	194	157	186	142	172	170

[1] Bureau of labor statistics has not converted the price index for urban consumers (CPI-U); 1982-88 was converted by the USDA. [2] Revised. [3] Preliminary.

Feeder Pigs: Prices Paid by Iowa Farmers

Year	Jan.	Feb.	Apr.	May	July	Aug.	Oct.	Nov.
				Dollars per cwt.				
1973	59.00		80.50		93.00		80.50	
1974	73.50		67.00		38.30		48.00	
1975	55.00		93.00		97.00		113.00	
1976	97.00		108.00		74.00		54.00	
1977	58.50		93.00		88.50		85.00	
1978	85.00		115.00		105.00		115.00	
1979[1]		98.00		98.50		60.00		60.00
1980		72.00		56.50		65.00		86.00
1981		74.50		85.00		84.00		75.00
1982		77.00		128.00		123.00		110.00
1983		105.00		82.00		53.00		58.00
1984		79.00		97.00		78.00		80.00
1985		96.00		90.00		73.50		74.00
1986		70.50		89.00		115.00		110.00
1987		109.00		117.00		110.00		95.00
1988[2]		97.00		109.00		70.00		70.00

[1] Beginning with 1979, survey months were changed to February, May, August, and November. [2] Preliminary.

Corn and Soybean Acreage, Yield and Fertilizer Application

Iowa and Selected States, 1988

Item	Iowa		Selected states[1]	
	Corn	Soybeans	Corn	Soybeans
Planted acreage (000)	11,300	8,050	53,200	48,980
Harvested acreage, grain (000)	10,700	8,000	47,570	47,830
Yield per acre (bu.)	84.0	31.0	83.3	27.2
Percent of harv. for grain acreage fertilized	99	13	97	32
Pounds of fertilizer used per acre:				
Nitrogen (lb.)	139	24	137	22
Phosphorous (lb.)	57	33	63	48
Potassium (lb.)	78	65	85	79

[1] Corn - 10 states; soybeans - 14 states.

Estimated Crop Production Costs, Iowa

CORN following corn	1985	1986	1987	1988	1989
Machinery	82.55	82.55	77.25	77.60	85.69
Seed, chemicals, etc.	124.80	115.05	105.05	108.85	117.11
Labor	21.60	21.60	21.60	20.40	20.40
Land	115.00	92.00	74.00	78.00	84.00
Total cost per acre	343.95	311.20	277.90	284.85	307.20
Assumed yield	115 bu.	110 bu.	110 bu.	115 bu.	115 bu.
Total cost per bu.	2.99	2.83	2.53	2.48	2.67
CORN following soybeans					
Machinery	76.80	78.05	72.95	73.50	80.85
Seed, chemicals, etc.	106.90	101.85	93.10	95.95	103.13
Labor	19.20	19.20	19.20	18.00	18.00
Land	115.00	92.00	74.00	78.00	81.00
Total cost per acre	317.90	291.10	259.25	265.45	285.98
Assumed yield	115 bu.	120 bu.	120 bu.	125 bu.	125 bu.
Total cost per bu.	2.76	2.43	2.16	2.12	2.29
SOYBEANS following corn					
Machinery	48.15	46.30	42.85	46.95	52.48
Seed, chemicals, etc.	71.35	70.00	65.15	69.55	74.41
Labor	16.80	16.80	16.80	15.60	15.60
Land	115.00	92.00	74.00	78.00	84.00
Total cost per acre	251.30	225.10	198.80	210.10	226.49
Assumed yield	38 bu.	38 bu.	38 bu.	38 bu.	38 bu.
Total cost per bu.	6.61	5.92	5.23	5.53	5.96

Source: Cooperative Extension Service, Iowa State University

1989 Iowa Farm Custom Rates[1]

	Average	Range
Tillage		
Chopping cornstalks, per acre	$5.40	$4.00 - 7.50
Plowing–moldboard, per acre	9.90	8.00 - 11.00
–chisel, per acre	8.70	7.00 - 10.00
Disking–offset, per acre	7.50	6.00 - 10.00
–tandem, per acre	6.20	5.00 - 7.50
Harrowing, per acre	3.30	2.50 - 4.00
Field cultivating, per acre	5.80	5.00 - 7.00
Rotary hoeing, per acre	3.70	3.00 - 5.00
Cultivating, per acre	4.80	4.00 - 6.00
Cultivating, ridge, per acre	7.90	5.00 - 10.00
Disk/chiseling, per acre	9.30	7.50 - 10.50
Subsoiling, per acre	10.20	7.50 - 12.00
Planting		
Planter–with attachments, per acre	$7.75	$6.00 - 10.00
–without attachments, per acre	6.90	5.00 - 8.00
–no-till planter, per acre	10.20	8.00 - 13.00
Soybean drill, per acre	7.55	6.00 - 9.00
Graindrill, per acre	6.50	5.00 - 8.00
Fertilizer Application (materials not included)		
Dry bulk–applied, per acre	$2.60	$1.50-5.00
–applicator only, per acre	.90	.50 - 1.25
Liquid–applied, per acre	3.50	2.50 - 4.50
–applicator only, per acre	1.20	1.00 - 1.50
Gaseous–applied, per acre	5.50	4.00 - 7.00
–applicator only, per acre	1.20	1.00 - 1.50
Spraying (materials not included)		
Ground, per acre	$3.50	$3.00 - 4.25
Ground, incorporated, per acre	7.10	6.00 - 9.00
Rope wick applicator, per acre	3.70	3.00 - 5.00
Bean buggy, per acre	4.00	3.00 - 5.00
Aerial, per acre	4.50	3.00 - 6.00
Harvesting Grain		
Corn combining, per acre	22.10	19.00 - 25.00
Soybean combining, per acre	20.80	18.00 - 23.00
Small grain combining, per acre	18.50	15.00 - 21.00
Picking ear corn, per acre	16.80	15.00 + 22.00
Picker sheller, per acre	19.60	17.00 - 22.00

	Average	Range
Corn drying, per bushel	$.107	.08 - .13
per % moisture removed	.023	.02 - .03
Corn shelling, per bushel	.082	.005 - .010
Handling grain (by auger), per bu.	.043	.02 - .07
Hauling grain, per bu. per mile	.010	.005 - .013
Hauling grain, on-farm, per bu.	.042	.02 - .05
Storing grain, per bu., per month	.017	.01 - .03
Storing grain, per bu., per year	.154	.10 - .25
Storing ear corn, $ per bu., per year	.112	.08 - .15
Harvesting Forages		
Hay–mowing, per acre	5.00	3.50 - 6.00
–mowing/conditioning, per acre	7.10	6.00 - 8.00
–raking, per acre	3.10	2.00 - 5.00
–windrowing, per acre	7.30	6.00 - 10.00
Hay baling–square, per bale	.30	.25 - .35
–large round, per bale	5.80	5.00 - 7.00
–stack, 1 ton, per stack	10.10	8.00 - 12.00
–stack, 3 ton, per stack	20.90	12.00 - 25.00
Silage–harvesting,per hr.	52.00	35.00 - 80.00
–harvesting, hauling, blowing	65.50	45.00 - 85.00
Haylage–harvesting, per hr.	57.50	35.00 - 80.00
–harvesting, hauling,blowing	67.00	45.00 - 85.00
Custom Farming–growing and harvesting		
Corn, per acre	73.00	60.00 - 85.00
Soybeans, per acre	66.00	50.00 - 80.00
Small grains, per acre	45.00	35.00 - 55.00
Miscellaneous		
Removing snow, per hr.	35.50	20.00 - 60.00
Grinding feed, per ton	6.40	4.00 - 10.00
Building fence, per hr.	7.90	5.00 - 15.00
Machine Rental (operator and fuel not included)		
Grain drill, per acre	4.60	3.00 - 6.00
Skid loader, per hr.	17.60	10.00 - 20.00
Liquid manure spreader, per hr.	14.50	10.00 - 15.00
Grain auger, per bu.	.02	.01 - .05
Grain cart, per bu.	.03	.02 - .05
Tractor, per horsepower, per hr.	.12	.09 - .16

Average 1989 Farm Custom Rates, By Area[1]

	Average Rate, $ per acre			
Operation	Northwest	Northeast	Southwest	Southeast
Chisel plow	$8.30	$8.60	$9.30	$9.00
Moldboard plow	9.70	9.70	10.00	10.40
Tandem disk	5.90	6.10	6.20	6.50
Field cultivate	5.50	5.80	5.80	6.00
Plant, with attachments	7.30	8.00	7.40	8.10
Cultivate, conventional	4.60	4.80	4.70	5.10
Spray, ground	3.25	3.50	3.50	3.65
Combine corn	21.00	22.25	22.00	22.80
Combine soybeans	19.70	20.75	21.75	21.25
Combine small grain	17.20	19.10	19.25	19.10
Square baling, per bale	.30	.28	.30	.31
Round baling, per bale	5.60	5.80	5.60	5.80
Machinery labor, per hour	5.10	5.60	5.60	5.70

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[1] Values reflect rates expected to be charged or paid, including fuel and labor. Actual custom rates may vary according to availability of machinery in a given area, timeliness, operator skill, field size and shape, and the performance characteristics of the machine being used.

Source: Cooperative Extension Service, Iowa State University.

FARM LABOR AND WAGE RATES, REGIONAL AND U.S.[1]

Year and Month	Number of Workers		Hired Workers[2]				
				Wage Rates per Type of Work			
	Hired	All Farm Workers	Hours Worked	Field	Livestock	Field & Livestock	Composite Hourly Rate
	1,000			Dollars per Hour			
Regional[3]							
1985							
April	39	273	39.4	4.04	3.94	3.97	4.08
July	68	281	28.4	4.20	4.13	4.18	4.20
October	40	235	34.8	4.58	3.95	4.31	4.35
1986							
April	40	234	34.0	3.90	3.85	3.88	4.15
July	70	271	31.5	4.34	4.15	4.27	4.46
October	40	238	39.8	4.02	4.06	4.04	4.27
1987[5]							
April	37	240	34.4	4.37	4.39	4.38	4.64
July	54	257	31.4	4.00	4.70	4.22	4.53
October	40	264	45.7	4.29	3.87	4.18	4.32
1988[4]							
April	37	257	40.6	4.29	4.77	4.51	4.83
July	56	280	30.7	4.49	4.59	4.52	4.86
October	39	244	40.1	4.33	4.88	4.46	4.53
United States							
1985							
April	907	2,821	40.1	4.51	3.91	4.26	4.51
July	1,373	3,570	37.6	4.07	3.97	4.05	4.24
October	1,015	2,956	38.6	4.47	4.24	4.40	4.56
1986							
April	910	2,718	38.8	4.58	4.26	4.46	4.71
July	1,233	3,204	37.0	4.39	4.15	4.32	4.57
October	975	2,814	39.9	4.61	4.37	4.52	4.83
1987[5]							
April	885	2,636	40.3	4.70	4.32	4.57	4.90
July	1,270	3,211	37.9	4.60	4.29	4.52	4.78
October	997	2,843	40.5	4.80	4.27	4.64	4.92
1988[4]							
April	958	2,754	39.5	4.76	4.51	4.69	5.00
July	1,200	3,218	37.4	4.63	4.50	4.60	4.90
October	976	2,913	41.9	4.95	4.70	4.88	5.18

[1] The quarterly Farm Labor report was dropped in April 1981 and reinstated in July 1984 except for the January quarter, which is an off-season quarter for Iowa. [2] Includes all workers and methods of pay except those workers paid by piece rate. [3] Corn Belt II Region: IA, MO. [4] Preliminary. [5] Revised.

Corn Belt Cattle Feeding[1]

Item	Selected costs at current rates			
Purchased during	Mar. 1988	Jun. 1988	Sep. 1988	Dec. 1988
Marketed during	Sep. 1988	Dec. 1988	Mar. 1989	Jun. 1989
	Dollars per head			
Expenses:				
600 lb. feeder steer	511.20	464.28	504.00	516.78
Transportation to feedlot (400 miles)	5.28	5.28	5.28	5.28
Corn (45 bu.)	83.03	108.45	116.10	112.28
Silage (1.7 tons)	31.67	36.47	49.00	47.15
Protein supplement (270 lb.)	37.26	35.91	44.28	41.85
Hay (400 lb.)	11.40	11.40	19.30	18.50
Total feed costs	163.36	192.23	228.68	219.78
Labor (4 hours)	15.72	15.72	15.72	15.72
Management[2]	7.86	7.86	7.86	7.86
Vet medicine[3]	5.34	5.44	5.56	5.61
Interest on purchase (6 months)	28.68	25.58	28.15	30.02
Power, equipment, fuel, shelter, depreciation[3]	24.93	25.38	25.91	26.15
Death loss (1% of purchase)	5.11	4.64	5.04	5.17
Transportation (100 miles)	2.31	2.31	2.31	2.31
Marketing expenses	3.35	3.35	3.35	3.35
Miscellaneous & indirect costs[3]	10.78	10.98	11.21	11.31
Total	783.92	763.05	843.07	849.34
Selling price required to cover:				
Feed and feeder costs (1,050 lb.) $/cwt.	64.24	62.53	69.78	70.15
All costs(1,050 lb.) $/cwt.	74.66	72.67	80.29	80.89
Feed costs per 100 lb gain (450 lb.) $/cwt.	36.30	42.72	50.82	48.84
Choice steers, Omaha (1,000-1,100 lb.) $/cwt.	67.71	71.21	—	—
Net margin $/cwt.	-6.95	-1.46	—	—
Prices:				
Feeder steer, Choice (600-700 lb.) Kansas City $/cwt.	85.20	77.38	84.00	86.13
Corn $/bu.[4]	1.84	2.41	2.58	2.50
Hay $/ton[4]	57.00	57.00	96.50	92.50
Corn silage $/ton[5]	18.63	21.46	28.82	27.74
Protein supplement 32-36% $/cwt.[6]	13.80	13.30	16.40	15.50
Farm labor $/hour	3.93	3.93	3.93	3.93
Interest rate, annual	11.22	11.02	11.17	11.62
Transportation rate $/cwt. (100 miles)[7]	.22	.22	.22	.22
Marketing expenses $/cwt.[8]	3.35	3.35	3.35	3.35
Index of prices paid by farmers (1910-14=100)	1,137	1,158	1,182	1,193

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[1] Represents only what expenses would be if all selected items were paid for during the period indicated. The feed ration and expense items do not necessarily coincide with experience of individuals for management, production, and locality of operation. [2] Assumes 1 hour at twice the labor rate. [3] Adjusted quarterly by the index of prices paid by farmers for commodities, services, interest, taxes, and wage rates. [4] Average price received by farmers in IA and IL. [5] Price derived from an equivalent price of 5 bushels corn and 330 lb. hay. [6] Average price paid by farmers in IA and IL. [7] Converted from cents/mile for a 44,000-lb. haul. [8] Yardage plus commission fees at a Midwest terminal market.

Corn Belt Hog Feeding[1]

Item		Selected costs at current rates			
	Purchased during Marketed during	Mar. 1988 Jul. 1988	Jun. 1988 Oct. 1988	Sep. 1988 Jan. 1989	Dec. 1988 Apr. 1989
		Dollars per head			
Expenses:					
40-50 lb. feeder pig		48.65	31.40	28.30	29.17
Corn (11 bu.)		20.13	26.46	28.38	27.45
Protein supplement (130 lb.)		20.30	20.02	25.29	23.92
Total feed		40.43	46.48	53.67	51.37
Labor & management (1.3 hour)		10.86	12.27	12.12	12.61
Vet medicine[2]		2.69	2.74	2.80	2.83
Interest on purchase (4 months)		1.82	1.15	1.05	1.16
Power, equipment, fuel, shelter, depreciation[2]		6.55	6.67	6.81	6.87
Death loss (4% of purchase)		1.95	1.26	1.13	1.17
Transportation (100 miles)		.48	.48	.48	.48
Marketing expenses		1.14	1.14	1.14	1.14
Miscellaneous and indirect costs[2]		.67	.68	.70	.70
Total		115.24	104.27	108.20	107.50
Selling price required to cover:					
Feed and feeder costs (220 lb.) $/cwt.		40.49	35.40	37.26	36.61
All costs (220 lb.) $/cwt.		52.38	47.40	49.18	48.86
Feed cost per 100-lb. gain (180 lb.) $/cwt		22.46	25.82	29.82	28.54
Barrows and gilts 7 markets, $/cwt.		45.57	38.95	41.58	—
Net margin $/cwt.		-6.81	-8.45	-7.60	—
Prices:					
40-lb. feeder pig (So. Missouri) $/head		48.65	31.40	28.30	29.17
Corn ($/bu.)[3]		1.84	2.42	2.58	2.50
Protein supplement 38-42% $/cwt.[4]		15.60	15.40	19.45	18.40
Labor and management $/hour[5]		8.35	9.44	9.32	9.70
Interest rate (annual)		11.22	11.02	11.17	11.62
Transportation rate $/cwt. (100 miles)[6]		.22	.22	.22	.22
Marketing expenses $/cwt.[7]		1.14	1.14	1.14	1.14
Index of prices paid by farmers (1910-14=100)		1,137	1,158	1,182	1,193

[1] Although a majority of operations in the Corn Belt are from farrow-to-finish, relative fattening expenses will be similar. Costs represent only what expenses would be if all selected items were paid for during the period indicated. The feed rations and expense items do not necessarily coincide with the experience of individual feeders. For individual use, adjust expenses and prices for management, production level, and locality of operation. [2] Adjusted monthly by the index of prices paid by farmers for commodities, services, interest, taxes, and wage rates. [3] Average price received by farmers in IA and IL. [4] Average prices paid by farmers in IA and IL. [5] Assumes an owner-operator receiving twice the farm labor rate. [6] Converted from cents/mile for a 44,000-pound haul. [7] Yardage plus commission fees at a Midwest terminal market.

Prices Paid By Farmers For Commodities Used In Production

Commodity and unit	Average Price 1977	 1987	 1988
	Dollars		
FARM MACHINERY - U.S.			
Corn planters, with fertilizer attachment, 4-row, each	4,450.00	8,930.00	9,800.00
Corn planters, with fertilizer attachment, 8-row, each	10,000.00	17,300.00	17,400.00
Combine, self-propelled, medium capacity, each	35,500.00	65,300.00	72,000.00
Combine, self-propelled, large capacity, each	45,500.00	86,400.00	91,600.00
Cultivators, row crops, 4-row, each[1]	1,750.00	2,510.00	2,830.00
Cultivators, row crops, 6-row, each[1]	2,310.00	3,410.00	3,820.00
Disk harrows, tandem, 15-17' width, each	4,660.00	7,580.00	8,200.00
Disk harrows, tandem, 18-20' width, each	5,840.00	9,830.00	10,900.00
Moldboard plows, tractor drawn or mounted, one way,			
5 bottoms, each	3,800.00	6,690.00	7,370.00
7 bottoms, each	5,650.00	9,800.00	10,500.00
Chisel plow, tractor drawn or mounted, 16-20 ft.	–	6,540.00	7,070.00
Manure spreaders, P.T.O. 141-190 bu. cap., each	2,650.00	5,090.00	5,160.00
Mowers, drawn or mounted 7' each	1,250.00	2,670.00	2,850.00
Pick-up balers, P.T.O., each[2]	4,600.00	9,960.00	10,400.00
Tractors, wheel, 50-59 h.p., each	9,100.00	16,700.00	17,200.00
Tractors, wheel, 110-129 h.p., each	23,500.00	39,000.00	40,800.00
Tractors, wheel, 170-240 h.p., each	45,500.00	75,700.00	76,100.00
Wagons, farm, w/o box, less tires, 8-10 ton, each	610.00	1,130.00	1,180.00
FARM SUPPLIES AND EQUIPMENT - U.S.			
Nails, 8d common, per lb.	.49	.65	.66
Shovels, aluminum scoop, each	14.70	24.00	25.70
Nail hammers, with handle, each	8.05	12.30	12.90
Pitchforks, 4-tine, each	11.20	20.50	21.00
Rope, polypropylene, per 100 ft.	–	20.50	20.50
Baler twine, per 40 lb. bale	14.50	18.00	20.80
Iron pipe, 1-1/4", galvanized, per ft.	1.30	2.01	2.04
BUILDING MATERIALS - U.S.			
Concrete blocks, 8x8x16, per 100	55.00	96.60	99.00
Cement, Portland, per 94 lbs. (net)	3.65	6.30	6.37
Framing lumber, 2"x4", pine, standard & better, 1000 bd. ft.	305.00	372.00	365.00
Insulating sheathing, 1/2", 4'x8' sheet[3]	–	5.42	5.42
Plywood, exterior, 1/2" cox, 4'x8' sheet[3]	–	9.58	9.49
Rough boards, for farm fences and construction, 1000 bd. ft.	370.00	501.00	515.00
Dressed boards, 1" thick, standard & better, 1000 bd. ft.	435.00	682.00	707.00
Roofing, galvanized steel, 28-29 gauge, per 100 sq. ft.	32.10	41.40	43.00
Roofing, shingles, fiberglass, mineral surface, 220 lb. per sq.[4]	21.70	23.60	23.40
Paint, house exterior, per gallon	9.90	15.70	16.10
FENCING MATERIALS - U.S.			
Posts, steel, line fence, each	2.30	2.48	2.48
Posts, wood, line fence, each	2.05	3.51	3.58
Wire, barbed, 2 pt., galv., 12-1/2 gauge, per 80 rod spool	27.00	33.70	33.80
Field & stock fence (woven wire), 6" stay spacing, 32" high, per 20 rod spool	56.00	71.60	71.60
FEEDER PIGS - IOWA	81.25	96.00	86.50

*See footnotes on page 77.

Prices Paid By Farmers For Commodities Used In Production

Commodity and unit	Average Price 1977	1987	1988
	Dollars		
FERTILIZERS AND SPRAYING MATERIALS			
Ammonium nitrate, per ton	143.00	156.00	170.00
Mixed fertilizer, 18-46-0, per ton	184.00	226.00	246.00
Anhydrous ammonia, per ton[5]	181.00	184.00	191.00
Superphosphate, 44-46% P O, per ton	148.00	200.00	221.00
Agricultural limestone, per ton[6]	10.00	16.70	16.20
COMMERCIAL FEEDS - U.S.			
Bran, per cwt.	7.51	8.79	9.90
Middlings and gray shorts, per cwt	7.37	7.61	8.90
Soybean meal, 44%, per cwt.	12.90	11.90	15.70
Mixed hog feed, 14-18% protein, per ton[7]	171.00	174.00	212.00
Beef cattle concentrate, 32-36% protein & over, per ton	184.00	217.00	239.00
Laying feed, per ton[7]	152.00	169.00	203.00
Dairy feed, 16% protein, per ton[7]	140.00	154.00	182.00
Chick starter, per ton[7]	175.00	191.00	228.00
Turkey grower, per ton[7]	184.00	213.00	244.00
Stock salt, 50 lbs	1.76	3.29	3.30
SEEDS - U.S.			
Alfalfa, uncertified varieties, per cwt	155.50	173.00	181.00
Potatoes, per cwt	5.63	7.95	7.12
Hybrid corn, per 80,000 kernels[8]	40.00	64.90	64.20
Oats, spring, per bu.	3.70	3.99	4.37
Soybeans, per bu.	13.00	11.30	11.90
FUELS - U.S.			
Diesel fuel, per gallon	.449	.712	.729
Gaoline, unleaded, regular, service station, per gallon	.610	.940	.941
Gasoline, leaded, regular, bulk delivery, per gallon	.569	.919	.927
LP gas, per gallon	.389	.592	.586
MOTOR SUPPLIES AND SERVICES - U.S.			
Motor oil, heavy duty (detergent), per gallon	2.56	4.58	4.70
Grease, per 14-1/2 oz. cartridge	.60	1.16	1.18
Chassis lubrication	2.74	5.15	4.99
Motor tune-up, labor only	15.40	29.00	30.40
Brake relining, materials and labor	58.35	105.00	109.00
Tires, auto E78-14, tubeless, each[9]	42.95	41.40	41.90
Tires, auto P195-75 R14 (ER78-14), radial, each[10]	65.95	54.00	53.40
Tires, truck, 10.00-20, 10-ply, each[11]	87.00	199.00	203.00
Tractor tires, rear, 18.4x38, 6-ply, each[12]	280.00	395.00	412.00
Batteries, CPR 220-310 AMP, each	37.60	48.20	49.10
Batteries, CPR 315-500 AMP, each	46.50	58.50	58.60
Spark plugs, each	1.39	1.78	1.82
Oil filters, cartridge refill, each	3.11	4.01	4.07
Oil filters, spin-on, each	4.01	4.59	4.60
Antifreeze, permanent, per gallon	4.16	4.04	6.37

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[1] Drawn with transport wheels and hydraulic lift. [2] Conventional size bales, under 200 lbs. [3] Prior to 1979, priced per 1000 sq. ft. [4] Prior to 1984, Asphalt, 240 lb. [5] Excludes application. [6] Spread on fields. [7] Complete feeds. [8] Prior to 1985, price per bu. [9] Prior to 1983 G78-15. [10] Prior to 1983, 205-15 (GR78-15). [11] Prior to 1979, 7.50x20. 1979 and 1984, 9.00-20. [12] Prior to 1985, 18.4x34.

Farm-Retail Price Spreads, Selected Items, U.S., 1985-1989

Commodities	Price Spreads										
	Annual				1988						1989
	1985	1986	1987	1988P	Jan	Aug	Sept	Oct	Nov	Dec	Jan
Market basket[1]											
Retail cost (1982-84=100)	104.1	106.3	111.6	116.5	113.9	118.4	119.5	119.3	118.9	119.5	121.5
Farm value (1982-84=100)	96.2	94.9	97.1	100.3	95.3	104.5	104.7	102.9	103.9	103.0	105.8
Farm-retail spread (1982-84=100)	108.3	112.5	119.4	125.3	123.9	125.8	127.3	128.1	127.0	128.4	130.0
Farm value/retail cost (%)	32.4	31.2	30.5	30.1	29.3	30.9	30.7	30.2	30.6	30.2	30.5
Meat products											
Retail cost (1982-84=100)	98.9	102.0	109.6	112.2	110.1	113.2	113.4	113.0	113.0	112.7	114.0
Farm value (1982-84=100)	91.3	94.3	101.2	99.5	93.3	97.5	100.3	97.6	97.4	97.7	102.7
Farm-retail spread (1982-84=100)	106.7	109.8	118.3	125.2	127.4	129.3	126.8	128.8	129.0	128.1	125.6
Farm value/retail cost (%)	46.8	46.8	46.7	44.9	42.9	43.6	44.8	43.7	43.7	43.9	45.6
Beef, Choice											
Retail price[2] (cts/lb)	232.6	230.7	242.5	254.7	242.9	257.8	259.7	257.8	260.4	260.0	264.3
Net carcass value[3] (cts)	135.2	133.1	145.3	153.9	144.7	150.5	153.6	155.4	156.0	158.1	159.8
Net farm value[4] (cts)	126.8	124.4	137.9	147.4	136.6	142.9	145.8	148.8	151.5	154.0	155.8
Farm-retail spread (cts)	105.8	106.3	104.6	107.3	106.3	114.9	113.8	109.0	108.9	106.0	108.5
Carcass-retail spread[5] (cts)	97.4	97.6	97.2	100.8	98.2	107.3	106.0	102.5	104.4	101.9	104.5
Farm-carcass spread[6] (cts)	8.4	8.7	7.4	6.5	8.1	7.6	7.8	6.5	4.5	4.1	4.0
Farm value/retail price (%)	55	54	57	58	56	55	56	58	58	59	59
Pork											
Retail price[2] (cts/lb)	162.0	178.4	188.4	183.4	185.3	185.5	184.9	181.6	178.0	177.4	181.1
Wholesale value[3] (cts)	101.1	110.9	113.0	101.0	104.0	101.4	97.2	95.8	92.2	97.8	94.3
Net farm value[4] (cts)	71.4	82.4	82.7	69.4	71.3	73.4	65.1	62.2	58.3	66.0	66.7
Farm-retail spread (cts)	90.6	96.0	105.7	114.0	114.0	112.1	119.8	119.4	119.7	111.4	114.4
Wholesale-retail spread[5] (cts)	60.9	67.5	75.4	82.4	81.3	84.1	87.7	85.8	85.8	79.6	86.8
Farm-wholesale spread[6] (cts)	29.7	28.5	30.3	31.6	32.7	28.0	32.1	33.6	33.9	31.8	27.6
Farm value/retail price (%)	44	46	44	38	38	40	35	34	33	37	37
Dairy products											
Retail cost (1982-84=100)	103.2	103.3	105.9	108.4	107.4	108.2	108.9	109.9	110.6	111.4	112.6
Farm value (1982-84=100)	95.2	92.6	93.6	90.4	92.4	88.8	89.3	92.3	96.3	97.3	98.6
Farm-retail spread (1982-84=100)	110.5	113.3	117.5	124.9	121.3	126.1	127.0	126.1	123.8	124.4	125.5
Farm value/retail cost (%)	44.2	43.0	42.3	40.0	41.3	39.4	39.4	40.3	41.8	41.9	42.0
Poultry											
Retail cost (1982-84=100)	106.2	114.2	112.6	120.7	108.9	131.7	133.4	129.4	127.2	127.1	128.8
Farm value (1982-84=100)	105.9	115.1	93.8	110.4	88.8	133.8	128.4	124.8	117.9	114.4	112.8
Farm-retail spread (1982-84=100)	106.6	113.3	134.2	132.6	132.0	129.3	139.1	134.7	137.9	141.7	147.2
Farm value/retail cost (%)	53.3	53.9	44.6	49.0	43.6	54.4	51.5	51.6	49.6	48.2	46.9
Eggs											
Retail cost (1982-84=100)	91.0	97.2	91.5	93.6	90.1	104.2	103.1	105.5	101.2	99.6	112.0
Farm value (1982-84=100)	85.7	92.4	76.8	76.7	68.2	86.6	97.0	87.6	89.2	90.1	96.4
Farm-retail spread (1982-84=100)	100.4	106.0	117.9	123.9	129.4	135.9	114.1	137.6	122.8	116.7	140.0
Farm value/retail cost (%)	60.5	61.0	53.9	52.7	48.7	53.4	60.4	53.4	56.6	58.1	55.3
Processed fruits & vegetables											
Retail cost (1982-84=100)	107.0	105.3	109.0	117.6	111.6	119.2	120.4	121.4	121.9	121.9	123.4
Farm value (1982-84=100)	117.7	101.5	111.1	136.5	128.3	140.1	142.7	145.2	145.0	136.8	137.5
Farm-retail spread (1982-84=100)	103.7	106.4	108.3	111.7	106.4	112.7	113.4	114.0	114.7	117.3	119.0
Farm value/retail costs (%)	26.2	22.9	24.2	27.6	27.3	27.9	28.2	28.4	28.3	26.7	26.5

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[1] Retail costs are based on indexes of retail prices for domestically produced farm foods from the CPI-U published monthly by the Bureau of Labor Statistics. The farm value is the payment to farmers for quantity of farm product equivalent to retail unit, less allowance for by-product. Farm values are based on prices at first point of sale and may include marketing charges such as grading and packing for some commodities. The farm-retail spread, the difference between the retail price and the farm value, represents charges for assembling, processing, transporting, and distributing these foods. [2] Estimated weighted average price of retail cuts from pork and choice yield grade 3 beef carcasses. Retail cut prices from BLS. [3] Value of carcass quantity (beef) and wholesale cuts (pork) equivalent to 1 lb. of retail cuts; beef adjusted for value of fat and bone by-products. [4] Market value to producer for quantity of live animal equivalent to 1 lb. of retail cuts minus value of by-products. [5] Represents charges for retailing and other marketing services such as fabricating, wholesaling, and in-city transportation. [6] Represents charges made for livestock marketing, processing, and transportation to city where consumed. P = Preliminary.

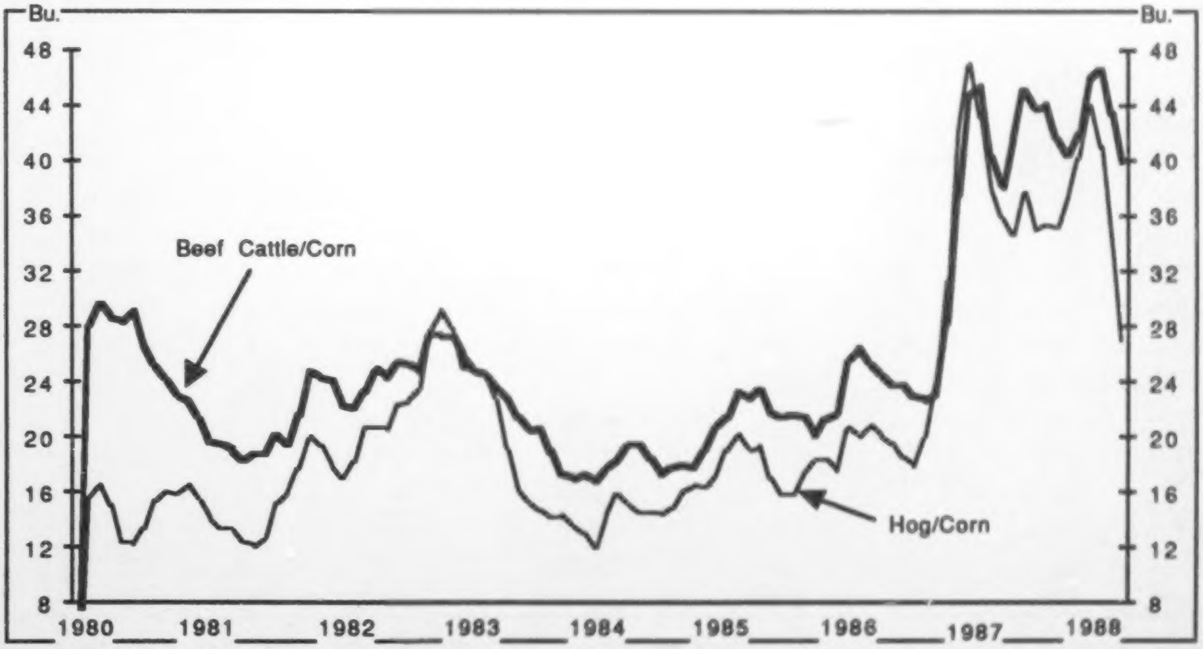
Source: Agricultural Outlook, April 1988.

Iowa Feed Ratios

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
						Beef Cattle - Corn[1]							
1980	28.0	29.5	28.6	28.3	29.1	26.5	25.1	24.1	23.0	22.6	21.3	19.6	25.5
1981	19.4	19.0	18.2	18.8	18.7	20.1	19.4	21.6	24.7	24.3	24.0	22.3	20.9
1982	22.1	23.3	24.9	24.3	25.4	25.2	24.8	27.4	27.3	27.2	25.8	24.8	25.2
1983	24.5	23.5	22.8	21.4	20.4	20.6	18.9	17.2	16.9	17.3	16.8	17.7	19.8
1984	18.3	19.4	19.5	18.4	17.3	17.8	18.0	17.8	19.1	20.7	21.5	23.2	19.3
1985	22.7	23.5	21.8	21.4	21.6	21.4	20.1	21.3	21.8	25.6	26.4	25.3	22.7
1986	24.5	23.7	23.8	22.9	22.6	23.2	28.3	37.6	44.7	45.3	40.2	38.1	31.2
1987	41.5	45.0	43.7	44.0	41.6	40.4	41.9	45.9	46.6	43.4	39.9	38.5	42.7
1988[2]	39.6	37.9	38.6	39.3	38.1	29.2	23.8	25.3	26.6	26.7	27.7	28.1	31.7
						Hog - Corn[3]							
1980	15.6	16.5	15.0	12.3	12.2	13.4	15.4	16.1	15.9	16.5	15.4	14.1	14.9
1981	13.3	13.2	12.3	12.1	12.7	15.2	16.0	17.7	20.0	19.3	17.9	17.0	15.6
1982	18.2	20.7	20.6	20.5	22.4	22.7	23.5	27.8	29.1	27.9	25.0	24.8	23.6
1983	24.6	22.6	19.0	16.2	15.2	14.7	14.2	14.3	13.6	13.1	12.0	14.3	16.2
1984	15.8	15.1	14.5	14.5	14.4	14.9	16.1	16.5	16.3	17.2	19.1	20.2	16.2
1985	19.1	19.4	17.0	15.8	15.9	17.4	18.3	18.3	17.6	20.6	20.1	20.9	18.4
1986	20.1	19.5	18.5	17.9	20.0	23.7	31.2	42.2	47.0	43.1	38.0	35.9	29.8
1987	34.6	37.6	35.0	35.4	35.1	37.3	40.2	44.0	41.0	34.3	26.9	25.3	35.6
1988[2]	26.0	26.9	24.2	23.9	24.9	21.2	17.1	17.8	16.7	15.8	15.1	16.3	20.5

[1] Bushels of corn equal in value to 100 pounds of beef cattle, live weight. [2] Preliminary. [3] Bushels of corn equal in value to 100 pounds of hog, live weight.

Bushels of Corn Equal in Value to 100 Pounds of Beef Cattle and Hogs



Crop Exports: United States, By Leading Import Nations[1]

U.S. exports by nation, product weight in 1 million metric tons									
Country	Amount	Country	Amount	Country	Amount	Country	Amount	Country	Amount
1983		1984		1985		1986[2]		1987[3]	
CORN									
Japan	13.05	Japan	13.64	U.S.S.R.	13.16	Japan	9.17	Japan	12.86
Mexico	4.70	U.S.S.R.	10.62	Japan	10.98	Taiwan	2.70	U.S.S.R.	5.32
S. Korea	4.07	Taiwan	2.88	Taiwan	2.97	U.S.S.R.	2.67	S. Korea	4.52
Taiwan	3.27	Mexico	2.69	Spain	2.46	S. Korea	1.52	Mexico	3.33
U.S.S.R.	3.03	S. Africa	2.53	S. Korea	1.77	Mexico	1.43	Taiwan	3.02
All others	19.41	All others	16.58	All others	12.70	All others	9.54	All others	11.72
TOTAL	47.53	TOTAL	48.94	TOTAL	44.05	TOTAL	27.03	TOTAL	40.77
WHEAT									
U.S.S.R.	4.84	U.S.S.R.	7.65	Japan	3.12	Japan	3.22	U.S.S.R.	4.85
India	3.50	China	4.07	S. Korea	1.89	Egypt	2.07	Japan	3.00
Japan	3.35	Japan	3.38	Egypt	1.65	S. Korea	1.94	Egypt	2.46
Brazil	2.63	Brazil	2.59	Nigeria	1.47	Algeria	1.68	Morocco	2.02
China	2.46	Morocco	2.51	U.S.S.R.	1.07	Morocco	1.29	Algeria	1.92
All others	21.69	All others	22.04	All others	15.60	All others	14.43	All others	16.36
TOTAL	38.47	TOTAL	42.24	TOTAL	24.80	TOTAL	24.63	TOTAL	30.61
SOYBEANS									
Japan	4.59	Japan	4.24	Japan	4.38	Japan	4.23	Netherlands	3.92
Netherlands	3.79	Netherlands	3.36	Netherlands	2.86	Netherlands	3.43	Japan	3.82
Spain	1.94	Spain	1.64	Taiwan	1.36	Spain	1.78	Taiwan	1.87
Germany	1.61	Mexico	1.58	Spain	1.19	Taiwan	1.74	Spain	1.64
Taiwan	1.38	Taiwan	1.31	Mexico	0.96	U.S.S.R.	1.52	Germany	1.43
All others	9.39	All others	7.35	All others	6.14	All others	8.70	All others	8.57
TOTAL	22.70	TOTAL	19.48	TOTAL	16.89	TOTAL	21.40	TOTAL	21.25
GRAIN SORGHUM									
Mexico	3.29	Japan	2.23	Japan	2.43	Japan	2.14	Japan	2.35
Japan	0.64	Mexico	2.16	Mexico	1.73	Venezuela	0.64	Venezuela	0.92
Israel	0.44	Israel	0.59	Venezuela	0.94	Mexico	0.51	Mexico	0.67
Venezuela	0.29	Spain	0.39	Israel	0.48	Israel	0.39	Taiwan	0.48
Portugal	0.14	Venezuela	0.34	Sudan	0.44	Taiwan	0.36	Israel	0.29
All others	0.48	All others	1.08	All others	0.64	All others	0.09	All others	0.28
TOTAL	5.28	TOTAL	6.79	TOTAL	6.66	TOTAL	4.13	TOTAL	4.99
TOTAL OTHER CROPS EXPORTED:									
RICE									
TOTAL	2.42	TOTAL	2.19	TOTAL	1.96	TOTAL	2.55	TOTAL	2.49
BARLEY									
TOTAL	1.52	TOTAL	1.97	TOTAL	0.70	TOTAL	1.62	TOTAL	3.02
OATS									
TOTAL	0.01	TOTAL	0.01	TOTAL	0.01	TOTAL	0.02	TOTAL	0.01

[1] Does not include grain sold for seed or processed products (flour, oils, canned goods). Yearly exports are calendar year quantities. [2] Revised. [3] Preliminary.

U.S. Meat Imports, By Countries[1]

Product and year	Imports, by country of origin, product weight						Total imports Product weight
	Canada	Argentina	Denmark	Australia	New Zealand	All Other	
				Million pounds			
Beef and veal							
1981	119.4	67.9	8.8	567.7	341.2	224.0	1,319.0
1982	125.1	65.8	3.0	717.1	345.8	203.4	1,460.2
1983	130.4	84.8	2.0	614.6	360.1	224.0	1,415.0
1984	167.7	76.8	7.9	536.4	320.9	201.3	1,311.0
1985	194.7	95.7	7.4	585.9	382.6	226.4	1,492.7
1986[5]	173.5	84.2	6.3	697.7	377.9	213.0	1,552.6
1987[2]	156.8	–	6.4	734.5	453.2	190.8	1,643.0
Lamb and mutton							
1981	–[3]	–	–	3.5	27.8	0.4	31.7
1982	0.1	–	–	3.4	15.6	0.2	19.3
1983	–[3]	–	–	4.3	14.8	0.4	19.5
1984	–[3]	–	–	3.8	15.6	–[3]	19.4
1985	0.3	–	–	8.1	26.5	–[3]	34.9
1986[5]	–[3]	–	–	20.7	16.3	–[3]	37.1
1987[2]	0.1	–	–	30.3	8.3	–[3]	38.8
Pork							
1981	198.9	–	97.7	0.4	–	134.6	431.6
1982	277.2	–	107.5	0.3	–	113.3	498.3
1983	273.0	–	130.2	–	–	151.9	555.1
1984	352.9	–	254.8	0.4	–	176.1	784.2
1985	418.5	–	325.9	0.4	–	189.6	934.4
1986[5]	479.3	–	274.8	0.8	–[3]	184.4	939.3
1987[2]	539.3	–	266.5	2.0	0	209.6	1,017.3
Total[4]							
1981	319.9	68.0	121.5	571.6	369.1	364.2	1,814.3
1982	409.1	66.8	127.7	721.5	363.1	327.3	2,015.5
1983	412.5	86.4	147.7	620.8	375.7	387.4	2,030.5
1984	531.9	78.0	277.1	542.6	337.5	393.1	2,160.2
1985	623.3	96.2	349.1	597.7	410.8	433.9	2,511.0
1986[5]	663.5	85.0	295.4	722.9	396.7	413.5	2,577.1
1987[2]	709.0	102.3	288.0	773.0	464.7	418.3	2,755.2

[1] FATUS Calendar Year 1988 Supplement. [2] Preliminary. [3] Less than 50,000 pounds. [4] Includes quantities of other canned, prepared, or preserved meat n.e.s. [5] Revised.

U.S. Meat Exports, By Countries[1]

Product and year	Exports, by destination, product weight				Total
	Canada	Bahamas	Japan	All Other	
			Million pounds		
Beef and veal					
1981	18.2	6.3	96.3	43.8	164.6
1982	14.7	4.9	117.2	52.0	188.8
1983	14.0	6.1	133.5	51.4	205.0
1984	25.7	6.8	174.1	39.2	245.8
1985	19.7	4.6	184.5	32.6	241.4
1986[3]	16.1	4.2	250.2	136.0	406.5
1987[2]	29.1	8.1	281.0	147.0	465.1
Pork					
1981	30.2	5.4	88.3	98.5	222.4
1982	19.3	3.3	68.2	62.3	153.1
1983	21.1	3.5	79.0	52.5	156.1
1984	13.2	3.0	42.1	57.5	115.8
1985	7.3	3.0	20.6	58.8	89.7
1986[3]	6.7	2.7	27.0	23.6	60.0
1987[2]	5.8	2.1	43.8	25.4	77.1

[1] FATUS Calendar Year 1988 Supplement. [2] Preliminary. [3] Revised.

Per Capita Consumption of Major Food Commodities: Total Population[1]

Commodity	1983	1984	1985	1986	1987[2]	1986 as % of 1987
	Pounds					
Meats:	143.2	142.8	144.1	140.2	135.4	97
Beef	78.2	78.1	78.8	78.4	73.4	94
Veal	1.6	1.8	1.8	1.9	1.5	79
Lamb and mutton	1.5	1.5	1.4	1.4	1.3	93
Pork	61.9	61.5	62.0	58.6	59.2	101
Fish (edible weight)	13.1	13.7	14.4	14.7	15.4	105
Canned	4.8	4.9	5.1	5.4	5.1	94
Fresh and frozen	8.0	8.5	9.0	9.0	7.7	86
Cured	0.3	0.3	0.3	0.3	0.3	100
Poultry Products:						
Eggs	33.0	32.9	32.2	31.7	31.6	100
Chicken (ready-to-cook)	53.4	55.2	57.6	58.7	62.7	107
Turkey (ready-to-cook)	11.2	11.3	12.1	13.3	15.1	114
Dairy Products:						
Cheese (excluding cottage)	20.5	21.4	22.5	23.0	24.0	104
Fluid whole milk[3]	130.8	126.6	122.7	115.4	109.9	95
Fluid lowfat milk[4]	95.9	99.0	104.6	110.4	113.6	103
Fluid cream[5]	3.6	4.0	4.3	4.6	4.7	102
Ice cream (product weight)	18.0	18.1	18.1	18.4	18.3	99
Fats and oils (fat content only)[6]	60.0	58.6	64.0	64.1	62.7	98
Butter (product weight)	4.9	4.9	4.9	4.6	4.6	100
Margarine (product weight)	10.4	10.4	10.8	11.4	10.5	92
Lard	2.1	2.1	1.8	1.7	1.8	106
Shortening	18.5	21.2	22.8	22.0	21.3	97
Salad and cooking oils	23.5	19.8	23.5	24.1	25.2	105
Fruits:						
Fresh	88.4	87.8	83.3	93.2	98.6	106
Citrus	28.3	23.2	22.6	26.6	27.2	102
Noncitrus	60.0	64.6	63.7	66.6	71.5	107
Processed						
Canned fruit[7]	9.2	8.9	8.5	8.4	8.7	104
Frozen fruit	1.2	1.2	1.3	1.4	1.9	136
Citrus juices[8] (gallons)	5.6	4.8	5.2	5.6	5.3	95
Dried fruit[9]	2.8	2.9	2.9	3.0	3.1	103
Vegetables:						
Fresh[10]	74.7	78.8	78.8	79.9	78.6	98
Fresh potatoes	47.9	46.8	44.7	47.6	45.1	95
Frozen potato products	19.1	20.7	22.0	22.0	23.2	105
Dry edible beans[11]	7.2	5.5	7.4	7.1	8.3	117
Grains:						
Wheat flour[12]	117.4	118.1	123.3	123.6	128.0	104
Rice	9.7	8.6	9.1	11.6	13.4	116
Pasta	10.5	11.3	12.9	14.4	17.1	119
Other:						
Coffee	7.6	7.5	7.6	7.6	7.6	100
Cocoa	3.2	3.4	3.7	3.8	3.9	103
Peanuts (shelled)	5.9	6.0	6.3	6.4	6.4	100
Sugar (refined)	71.0	67.6	63.4	60.8	62.4	103
Corn sweeteners[13]	52.1	57.8	66.5	67.1	68.8	103
Soft drinks (gallons)[15]	26.9	27.2	29.1	30.3	—	—
Total population (millions)[14]	234.8	237.0	239.3	241.6	243.9	101

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[1] Quantity in pounds, retail weight unless otherwise stated. Data on calendar year basis except for dried fruits, fresh citrus fruits, peanuts, and rice which are on a crop-year basis. [2] Preliminary. [3] Plain and flavored. [4] Lowfat, skim, buttermilk, and flavored drinks. [5] Heavy cream, light cream, and half-and-half. [6] Includes 80 percent of the product weight of butter and margarine and all of the product weight of other fats and oils, some of which are not shown separately. [7] Excludes apples, applesauce, cranberries, pineapple, and citrus sections. [8] Single-strength basis. [9] Excludes apples, apricots, peaches, and pears. [10] Includes asparagus, broccoli, carrots, cauliflower, celery, corn, lettuce, onions, and tomatoes. [11] Cleaned basis. [12] White, whole wheat, semolina, and durum flour. [13] High fructose, glucose, and dextrose; dry-weight equivalent. [14] Total population includes military personnel. [15]-- = not available.

Source: Agricultural Outlook, May 1988

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